

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 3.56992 Seconds  
(without alignments)  
3522.136 Million cell updates/sec

Title: US-09-942-310-2\_COPY\_175\_215  
Perfect score: 41  
Sequence: 1 cctatctctactgaaatay.....aaaagctagcgtgtggca 41

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA.\*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	31.6	77.1	9704	US-09-814-951A-3	Sequence 3, Appli
C 2	26.6	64.9	5375	US-08-757-223-7	Sequence 7, Appli
C 3	26.6	64.9	43950	US-09-735-934A-3	Sequence 3, Appli
C 4	26.6	64.9	62804	US-09-800-960-3	Sequence 3, Appli
C 5	26.6	64.9	84495	US-09-797-906-3	Sequence 3, Appli
C 6	26.6	64.9	112132	US-09-741-150-3	Sequence 3, Appli
C 7	25.8	62.9	3568	US-09-218-363-3	Sequence 3, Appli
C 8	25.8	62.9	14747	US-09-608-285A-42	Sequence 42, Appli
C 9	25.8	62.9	15977	US-09-608-285A-59	Sequence 59, Appli
C 10	25.8	62.9	152331	US-09-128-155-16	Sequence 16, Appli
C 11	25.2	61.5	70000	US-09-851-896-3	Sequence 3, Appli
C 12	25	61.0	581	US-09-385-982-12	Sequence 12, Appli
C 13	25	61.0	1001	US-09-641-638-376	Sequence 376, App
C 14	25	61.0	1643	US-09-701-685-1	Sequence 1, Appli
C 15	25	61.0	2509	US-09-014-969-1	Sequence 1, Appli
C 16	25	61.0	2892	US-08-874-186-44	Sequence 44, Appli
C 17	25	61.0	3101	US-09-602-877A-97	Sequence 97, Appli
C 18	25	61.0	7620	US-07-767-135-1	Sequence 1, Appli
C 19	25	61.0	7620	US-07-841-652-1	Sequence 1, Appli
C 20	25	61.0	7680	US-09-210-748A-3	Sequence 3, Appli
C 21	25	61.0	8353	US-08-611-587-1	Sequence 1, Appli
C 22	25	61.0	9721	US-09-345-217-2	Sequence 2, Appli
C 23	25	61.0	10079	US-08-476-866-20	Sequence 20, Appli
C 24	25	61.0	35060	US-08-814-095-7	Sequence 7, Appli
C 25	25	61.0	36651	US-09-738-894A-3	Sequence 3, Appli
C 26	25	61.0	50000	US-09-146-053-4	Sequence 4, Appli
C 27	25	61.0	62804	US-09-800-960-3	Sequence 3, Appli

28	25	61.0	84495	4	US-09-797-906-3	Sequence 3, Appli
29	25	61.0	182450	4	US-09-345-882-1	Sequence 1, Appli
c 30	25	61.0	176373	3	US-09-128-155-17	Sequence 17, Appli
31	24.8	60.5	43950	4	US-09-735-934A-3	Sequence 3, Appli
32	24.6	60.0	2598	4	US-09-026-033-18	Sequence 18, Appli
33	24.6	60.0	3441	4	US-09-026-033-17	Sequence 17, Appli
34	24.6	60.0	6987	4	US-09-026-033-3	Sequence 3, Appli
35	24.6	60.0	6990	4	US-09-026-033-23	Sequence 23, Appli
36	24.6	60.0	8342	3	US-08-545-860D-63	Sequence 63, Appli
37	24.6	60.0	8342	5	PCT-US94-04496-63	Sequence 63, Appli
38	24.6	60.0	8392	1	US-08-080-255-6	Sequence 6, Appli
39	24.6	60.0	8392	3	US-08-465-713-6	Sequence 6, Appli
40	24.6	60.0	8392	5	PCT-US93-05857-6	Sequence 6, Appli
41	24.6	60.0	40000	4	US-09-780-049-18	Sequence 18, Appli
42	24.6	60.0	111282	4	US-09-754-250-3	Sequence 3, Appli
c 43	24.4	59.5	434	2	US-08-332-766A-10	Sequence 10, Appli
c 44	24.4	59.5	55827	4	US-09-813-133A-3	Sequence 3, Appli
45	24.2	59.0	1287	4	US-09-564-805-217	Sequence 217, App

ALIGNMENTS

RESULT 1  
US-09-814-951A-3/c  
; Sequence 3, Application US/09814951A  
; Patent NO. 6387661  
; GENERAL INFORMATION:  
; APPLICANT: SHAO, Wei et al  
; TITLE OF INVENTION: ISOLATED HUMAN AMINOACYLASE, NUCLEIC  
; FILE REFERENCE: CL001179  
; CURRENT APPLICATION NUMBER: US/09/814, 951A  
; CURRENT FILING DATE: 2001-03-23  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 9704  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-814-951A-3

Query Match 77.1%; Score 31.6; DB 4; Length 9704;  
Best Local Similarity 85.0%; Pred. No. 0.0014;  
Matches 34; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy	1	CCTATCTCTACTGAAATATAVAAAAAGCTAGACGTGGTGGC	40
Db	8689	CCCGTCTCTACTATAAATACAAAAGCTGGCGTGGTGGC	8650

RESULT 2  
US-08-757-223-7/c  
; Sequence 7, Application US/08757223  
; Patent No. 6136530  
; GENERAL INFORMATION:  
; APPLICANT: Poduslo, Shirley E.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR ASSESSING RISK  
; FILE REFERENCE: 13  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Locke Purnell Rain Harrell  
; STREET: 2200 Ross Avenue, Suite 2200  
; CITY: Dallas  
; STATE: Texas  
; ZIP: 75201-6776  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA: US/08/757,223

Query Match 64.9%; Score 26.6; DB 4; Length 112132;  
Best Local Similarity 82.9%; Pred. No. 0.2;

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; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 14747
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (13641)
; OTHER INFORMATION: n = adenosine or guanine or cytosine or thymidine
US-09-608-285A-42

Query Match 62.9%; Score 25.8; DB 4; Length 14747;
Best Local Similarity 76.9%; Pred. No. 0.28;
Matches 30; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 1 CCTATCTCTACTGAAATATYAAAAAGCTAGACGTGTGG 39
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Db 3310 CCCATCTCTACTAAAAATACAAAAAATTAGCATGTGG 3272

RESULT 9
US-09-608-285A-59/c
; Sequence 59, Application US/09608285A
; Patent No. 6335013
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; APPLICANT: Yeung, George
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
; FILE REFERENCE: 28110/36570
; CURRENT APPLICATION NUMBER: US/09/608,285A
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 09/583,231
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 09/557,800
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/481,238
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/370,265
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350,836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273,447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/244,444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 15977
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: CD39-L4/L66 Gene Sequence
; NAME/KEY: CDS
; LOCATION: (245)..(461)
; NAME/KEY: CDS
; LOCATION: (1454)..(1533)
; NAME/KEY: CDS
; LOCATION: (2734)..(2877)

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Search completed: June 14, 2003, 09:34:39  
Job time : 6.56992 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 3.56992 Seconds  
(without alignments)  
3522.136 Million cell updates/sec

Title: US-09-942-310-2\_COPY\_920\_960  
Perfect score: 41  
Sequence: 1 ctttggtgggtgattttt.....crtgtgtaatactgtgtccctg 41

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA:\*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	21.6	52.7	50000	4	US-09-146-053-4
2	21.4	52.2	392	1	US-08-253-155A-60
3	21.2	51.7	2169	3	US-08-806-326-5
4	21	51.2	10684	3	US-08-618-100B-3
5	20.8	50.7	1851	2	US-08-414-657D-20
6	20.8	50.7	1851	4	US-09-135-080-5
7	20.6	50.2	70000	4	US-09-851-896-3
8	20.4	49.8	57	1	US-08-222-177A-62
9	20.4	49.8	262	1	US-08-222-177A-46
10	20.4	49.8	564	1	US-08-117-362-32
11	20.4	49.8	564	1	US-08-486-924-32
12	20.4	49.8	900	4	US-09-641-638-439
13	20.4	49.8	1050	1	US-08-599-252-81
14	20.4	49.8	1050	1	US-08-436-074-54
15	20.4	49.8	1050	5	PCT-US96-06352-81
16	20.4	49.8	1050	5	PCT-US96-06583-81
17	20.4	49.8	2875	3	US-08-458-434A-4
18	20.4	49.8	3796	2	US-08-762-308-11
19	20.4	49.8	3796	4	US-09-844-634-10
20	20.4	49.8	3813	2	US-08-650-000-3
21	20.4	49.8	3813	6	5395760-3
22	20.4	49.8	4718	3	US-08-936-135-9
23	20.4	49.8	4733	3	US-08-936-135-11
24	20.4	49.8	4769	3	US-08-936-135-13
25	20.4	49.8	4771	2	US-08-866-650-2
26	20.4	49.8	4771	2	US-09-021-287-2
27	20.4	49.8	4771	4	US-09-240-473-2

28	20.4	49.8	4784	3	US-08-936-135-15
29	20.4	49.8	6350	2	US-08-385-335A-8
30	20.4	49.8	6350	2	US-08-385-335A-9
31	20.4	49.8	15144	3	US-08-458-434A-6
32	20.4	49.8	38564	4	US-09-734-673-3
33	20.4	49.8	90050	4	US-09-245-041-5
34	20.4	49.8	169998	4	US-09-676-610B-24
35	20.2	49.3	600	1	US-08-599-252-104
36	20.2	49.3	600	5	PCT-US96-06352-104
37	20.2	49.3	600	5	PCT-US96-06583-104
38	20.2	49.3	17425	4	US-09-511-625B-5
39	20.2	49.3	22067	4	US-09-820-001-3
40	20.2	49.3	246240	2	US-08-724-394A-20
41	20.2	49.3	246240	2	US-08-724-394A-21
42	20.2	49.3	246240	2	US-08-724-394A-22
43	20	48.8	61	1	US-08-222-177A-282
44	20	48.8	439	3	US-09-188-930-47
45	20	48.8	2274	4	US-09-440-936-1

ALIGNMENTS

RESULT 1  
US-09-146-053-4  
; Sequence 4, Application US/09146053A  
; Patent No. 6399349  
; GENERAL INFORMATION:  
; APPLICANT: Ryan, James W.  
; APPLICANT: Sprinkle, Terry Joe Curtis  
; APPLICANT: Venema, Richard C.  
; TITLE OF INVENTION: Human Aminopeptidase P Gene  
; FILE REFERENCE: MCG103  
; CURRENT APPLICATION NUMBER: US/09/146.053A  
; CURRENT FILING DATE: 1998-09-02  
; EARLIER APPLICATION NUMBER: 60/057,854  
; EARLIER FILING DATE: 1997-09-02  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 50000  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-146-053-4

Query Match 52.7%; Score 21.6; DB 4; Length 50000;  
Best Local Similarity 71.1%; Pred. No. 20;  
Matches 27; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

Qy	2	TTTGTGTGGGUGATTTTCTGCRGTGTGTAATCGTGTCC	39
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RESULT 2  
US-08-253-155A-60  
; Sequence 60, Application US/08253155A  
; Patent No. 5691147  
; GENERAL INFORMATION:  
; APPLICANT: Gyuris, Jeno  
; APPLICANT: Draetta, Giulio  
; TITLE OF INVENTION: CDK4 Binding Proteins  
; NUMBER OF SEQUENCES: 95  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

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; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 1..2169
US-08-806-326-5

Query Match          51.7%; Score 21.2; DB 3; Length 2169;
Best Local Similarity 72.2%; Pred. No. 15;
Matches 26; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY      1 CTTGTGTCGGTGCATTTCTCGTGCTGTAATCGTGT 36
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RESULT 4
US-08-618-100B-3
; Sequence 3, Application US/08618100B
; Patent No. 6068976
; GENERAL INFORMATION:
; APPLICANT: Briggs, Michael R.
; APPLICANT: Auwerx, Johan
; APPLICANT: de Vos, Piet
; APPLICANT: Staels, Bart
; APPLICANT: Croston, Glenn E.
; APPLICANT: Miller, Stephen G.
; TITLE OF INVENTION: MODULATORS OF Ob GENE AND
; SCREENING METHODS THEREFOR
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; MEDIUM TYPE: storage
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows Version 2.0
; APPLICATION DATA:
; APPLICATION NUMBER: US/08/618,100B
; FILING DATE: March 19, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/558,588
; FILING DATE: October 30, 1995
; APPLICATION NUMBER: 08/510,584
; FILING DATE: August 2, 1995
; APPLICATION NUMBER: 08/418,096
; FILING DATE: April 5, 1995
; APPLICATION NUMBER: 08/408,584
; FILING DATE: March 20, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/075
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10684 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; DESCRIPTION: Sequence between exon 1 and exon 2
; Patent No. 6068976
US-08-618-100B-3

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[illegible]

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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-851-896-3

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Best Local Similarity 70.3%; Pred. No. 51;
Matches 26; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 5 GTGTGGTGATTTCTGCTGTAATCGTGTCCTCG 41
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Db 55508 GTGTGTTGATGTGTCATGTGTGGTGTCATG 55472

RESULT 8
US-08-222-177A-62/c
; Sequence 62, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; INDIVIDUAL ISOLATE: Caucasian
; TISSUE TYPE: Blood
; IMMEDIATE SOURCE:
; CLONE: Mf684
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: 12
; FEATURE:
; NAME/KEY: repeat_region
; LOCATION: 172..205
; OTHER INFORMATION: /rpt_type= "tandem"
; OTHER INFORMATION: /rpt_family= "(dc-da)n.(dg-dt)n"
; OTHER INFORMATION: /citation= ([2])
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 126..145
; IDENTIFICATION METHOD: experimental
; OTHER INFORMATION: /evidence= EXPERIMENTAL
; OTHER INFORMATION: /standard_name= "PCR primer"
; OTHER INFORMATION: /citation= ([1])
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: complement (215..236)
; IDENTIFICATION METHOD: experimental
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; OTHER INFORMATION: /citation= ([1])
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..262
; IDENTIFICATION METHOD: experimental
; OTHER INFORMATION: /evidence= EXPERIMENTAL

Query Match      49.8%; Score 20.4; DB 1; Length 57;
Best Local Similarity 67.5%; Pred. No. 15;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 2 TTGTGTGGGATTTCTGCTGTAATCGTGTCCTCG 41
      ||||| ||| ||| |||:|||| | ||||| ||
Db 45 TGTGTGTGTGTGTTTCTGCTGTAATCGTGTCCTG 6

RESULT 9
US-08-222-177A-46/c
; Sequence 46, Application US/08222177A
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; OTHER INFORMATION: /standard_name= "Only one strand sequenced"
; PUBLICATION INFORMATION:
; AUTHORS: Weber, J. L.
; AUTHORS: Kwitek, A. E.
; AUTHORS: May, P. E.
; TITLE: Dinucleotide repeat polymorphism at the
; TITLE: D12S43 locus
; JOURNAL: Nucleic Acids Res.
; VOLUME: 18
; PAGES: 4637-
; DATE: 1990
; PUBLICATION INFORMATION:
; AUTHORS: Weber, James L.
; AUTHORS: May, Paula E.
; TITLE: Abundant Class of Human DNA Polymorphisms
; TITLE: Which Can Be Typed Using the Polymerase Chain
; TITLE: Reaction
; JOURNAL: Am. J. Hum. Genet.
; VOLUME: 44
; PAGES: 388-396
; DATE: 1989
; US-08-222-177A-46

Query Match          49.8%; Score 20.4; DB 1; Length 262;
Best Local Similarity 67.5%; Pred. No. 20;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY  2 TTTGTGTGGTGATTTCTGCGTGTGTAATCGTGCCCTG 41
    | | | | | | | | | | | | | | | | | | | |
Db  200 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 161

RESULT 10
US-08-117-362-32/c
; Sequence 32, Application US/08117362
; Patent No. 5595872
; GENERAL INFORMATION:
; APPLICANT: Wettlerau II, John R.
; APPLICANT: Sharp, Daru Y.
; APPLICANT: Gregg, Richard E.
; TITLE OF INVENTION: MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Burton Rodney
; STREET: P.O. Box 4000
; CITY: Princeton
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 08543-4000
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08117,362
; FILING DATE: 03-SEP-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/117,362
; FILING DATE: 03-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Gaul, Timothy J.
; REGISTRATION NUMBER: 33,111
; REFERENCE/DOCKET NUMBER: DC21b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 252-5901
; TELEFAX: (609) 252-4526
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 564 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: repeat_region
; LOCATION: 286..347
; US-08-117-362-32

Query Match          49.8%; Score 20.4; DB 1; Length 564;
Best Local Similarity 67.5%; Pred. No. 24;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY  2 TTTGTGTGGTGATTTCTGCGTGTGTAATCGTGCCCTG 41
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Db  339 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 300

RESULT 12
US-09-641-638-439/c
; Sequence 439, Application US/09641638
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; NAME/KEY: repeat_region
; LOCATION: 286..347
; US-08-117-362-32

Query Match          49.8%; Score 20.4; DB 1; Length 564;
Best Local Similarity 67.5%; Pred. No. 24;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY  2 TTTGTGTGGTGATTTCTGCGTGTGTAATCGTGCCCTG 41
    | | | | | | | | | | | | | | | | | | | |
Db  339 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 300

RESULT 11
US-08-486-924-32/c
; Sequence 32, Application US/08486924
; Patent No. 5789197
; GENERAL INFORMATION:
; APPLICANT: Wettlerau II, John R.
; APPLICANT: Sharp, Daru Y.
; APPLICANT: Gregg, Richard E.
; TITLE OF INVENTION: MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Burton Rodney
; STREET: P.O. Box 4000
; CITY: Princeton
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 08543-4000
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,924
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/117,362
; FILING DATE: 03-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Gaul, Timothy J.
; REGISTRATION NUMBER: 33,111
; REFERENCE/DOCKET NUMBER: DC21b
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 252-5901
; TELEFAX: (609) 252-4526
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 564 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: repeat_region
; LOCATION: 286..347
; US-08-486-924-32

Query Match          49.8%; Score 20.4; DB 1; Length 564;
Best Local Similarity 67.5%; Pred. No. 24;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY  2 TTTGTGTGGTGATTTCTGCGTGTGTAATCGTGCCCTG 41
    | | | | | | | | | | | | | | | | | | | |
Db  339 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 300

RESULT 12
US-09-641-638-439/c
; Sequence 439, Application US/09641638
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; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CP1
; CURRENT APPLICATION NUMBER: US/09/641.638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 439
; LENGTH: 900
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-776-259 : polymorphic base A or G
; NAME/KEY: misc_binding
; LOCATION: 481..500
; OTHER INFORMATION: 12-776-259.mis1, potential
; NAME/KEY: misc_binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-776-259.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 243..263
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 674..692
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-776-259 potential probe
; US-09-641-638-439

Query Match          49.8%; Score 20.4; DB 4; Length 900;
Best Local Similarity 67.5%; Pred. No. 26;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy      2 TTTGTGGGGTATTTCTGTCRTGTGTAATCGTGTCCTG 41
Db      172 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 133

RESULT 13
US-08-599-252-81
; Sequence 81, Application US/08599252
; Patent No. 5705343
; GENERAL INFORMATION:
; APPLICANT: DRAVNA, DENNIS T.
; APPLICANT: FEDER, JOHN N.
; APPLICANT: GNIRKE, ANDREAS
; APPLICANT: KIMMEL, BRUCE E.
; APPLICANT: THOMAS, WINSTON J.
; APPLICANT: WOLFF, ROGER K.
; TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
; CITY: Washington

; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,074
; FILING DATE: 08-MAY-1995
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9053-0001.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
```

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; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/599,252
; FILING DATE: 09-FEB-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9053-0001.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 81:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1050 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-599-252-81

Query Match          49.8%; Score 20.4; DB 1; Length 1050;
Best Local Similarity 67.5%; Pred. No. 27;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy      2 TTTGTGGGGTATTTCTGTCRTGTGTAATCGTGTCCTG 41
Db      521 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 560

RESULT 14
US-08-436-074-54
; Sequence 54, Application US/08436074
; Patent No. 5753438
; GENERAL INFORMATION:
; APPLICANT: DRAVNA, DENNIS T.
; APPLICANT: FEDER, JOHN N.
; APPLICANT: GNIRKE, ANDREAS
; APPLICANT: KIMMEL, BRUCE E.
; APPLICANT: THOMAS, WINSTON J.
; APPLICANT: WOLFF, ROGER K.
; TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,074
; FILING DATE: 08-MAY-1995
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9053-0001.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 4.44063 seconds  
(without alignments)  
3522.136 Million cell updates/sec

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Perfect score: 51  
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Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA.\*  
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2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*  
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4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*  
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6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
C 1	42.6	83.5	12047	2	US-09-022-461-1
C 2	42.6	83.5	12047	4	US-09-033-556-3
C 3	41	80.4	16389	4	US-09-741-154-3
C 4	41	80.4	17327	1	US-07-906-871-15
C 5	41	80.4	36159	4	US-09-749-588-3
C 6	41	80.4	45546	4	US-09-146-053-6
C 7	41	80.4	59065	4	US-09-813-817-3
C 8	41	80.4	59065	4	US-09-978-197-3
C 9	41	80.4	162450	4	US-09-345-882-1
C 10	39.4	77.3	282	1	US-08-133-629-8
C 11	39.4	77.3	327	1	US-08-741-406-6
C 12	39.4	77.3	327	3	US-09-024-472-6
C 13	39.4	77.3	361	4	US-09-018-584A-16
C 14	39.4	77.3	372	4	US-09-018-584A-15
C 15	39.4	77.3	488	4	US-09-385-982-471
C 16	39.4	77.3	901	1	US-08-832-883-65
C 17	39.4	77.3	901	2	US-08-832-877-65
C 18	39.4	77.3	1278	2	US-08-909-965C-4
C 19	39.4	77.3	1699	4	US-08-927-165A-5
C 20	39.4	77.3	2612	4	US-09-484-970B-142
C 21	39.4	77.3	2896	2	US-08-709-923-1
C 22	39.4	77.3	3565	1	US-08-578-649-3
C 23	39.4	77.3	3627	4	US-09-323-873A-6
C 24	39.4	77.3	3865	1	US-08-832-883A-48
C 25	39.4	77.3	3865	2	US-08-832-877-48
C 26	39.4	77.3	11558	5	PCT-US93-06251-23
C 27	39.4	77.3	12394	4	US-09-488-856A-10

28	39.4	77.3	14796	4	US-08-975-080-35	Sequence 35, Appl
29	39.4	77.3	14796	4	US-09-630-706-10	Sequence 10, Appl
30	39.4	77.3	14796	4	US-09-496-694B-3	Sequence 3, Appl
C 31	39.4	77.3	18073	4	US-09-078-294-12	Sequence 12, Appl
C 32	39.4	77.3	28720	4	US-09-341-587-7	Sequence 7, Appl
C 33	39.4	77.3	35060	3	US-08-814-095-7	Sequence 7, Appl
C 34	39.4	77.3	35060	3	US-08-814-095-7	Sequence 7, Appl
C 35	39.4	77.3	40000	4	US-09-780-049-18	Sequence 18, Appl
C 36	39.4	77.3	43950	4	US-09-735-934A-3	Sequence 3, Appl
C 37	39.4	77.3	50000	4	US-09-146-053-3	Sequence 3, Appl
C 38	39.4	77.3	62804	4	US-09-800-960-3	Sequence 3, Appl
C 39	39.4	77.3	70000	4	US-09-851-896-3	Sequence 3, Appl
C 40	39.4	77.3	70000	4	US-09-851-896-3	Sequence 3, Appl
C 41	39.4	77.3	84495	4	US-09-797-906-3	Sequence 3, Appl
C 42	39.4	77.3	87350	3	US-08-781-891-79	Sequence 79, Appl
C 43	39.4	77.3	87543	4	US-09-791-211-3	Sequence 3, Appl
C 44	39.4	77.3	98844	4	US-09-791-211-10	Sequence 10, Appl
C 45	39.4	77.3	99500	4	US-09-798-096-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1  
US-09-022-461-1/c  
; Sequence 1, Application US/09022461  
; Patent No. 5964371  
; GENERAL INFORMATION:  
; APPLICANT: HENDERSON, Daniel R.  
; APPLICANT: SCHUUR, Eric R.  
; APPLICANT: LAMPARSKI, Henry G.  
; APPLICANT: YU, De Chao  
; TITLE OF INVENTION: PROSTATE CANCER DRUG SCORE  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 755 PAGE MILL ROAD  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304-1018  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/022,461  
; FILING DATE: 12-FEB-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/906,192  
; FILING DATE: 04-AUG-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Catherine, Polizzi M  
; REGISTRATION NUMBER: 40,130  
; REFERENCE/DOCKET NUMBER: 34802-20003.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-813-5600  
; TELEFAX: 415-494-0792  
; TELEX: 706141  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12047 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-09-022-461-1

Query Match 83.5%; Score 42.6; DB 2; Length 12047;  
Best Local Similarity 88.2%; Pred. No. 3.1e-07;  
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

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QY 1 TCAAGACGACCTGGACAACTTGGAGAACCCGGTCTCTACAAAAATACA 51
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Db 1985 TCAAGACGACCTGGCCACATGGCAAAACCCCGTCTCTACAAAAATACA 1935

RESULT 2
US-09-033-556-3/c
; Sequence 3, Application US/09033556
; Patent No. 6432700
; GENERAL INFORMATION:
; APPLICANT: Henderson, Daniel R.
; APPLICANT: Yu, De Chao
; TITLE OF INVENTION: ADENOVIRUS VECTORS CONTAINING
; TITLE OF INVENTION: HETEROLOGOUS TRANSCRIPTION REGULATORY ELEMENTS AND METHODS
; TITLE OF INVENTION: OF USING SAME
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FORSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/033,556
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Catherine, Polizzi M
; REGISTRATION NUMBER: 40,130
; REFERENCE/DOCKET NUMBER: 34802-20010.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12047 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-033-556-3

Query Match 83.5%; Score 42.6; DB 4; Length 12047;
Best Local Similarity 88.2%; Pred. No. 3.1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGACCTGGACAACTTGGAGAACCCGGTCTCTACAAAAATACA 51
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Db 1985 TCAAGACGACCTGGCCACATGGCAAAACCCCGTCTCTACAAAAATACA 1935

RESULT 3
US-09-741-154-3/c
; Sequence 3, Application US/09741154
; Patent No. 6437110
; GENERAL INFORMATION:
; APPLICANT: BEASLEY, Ellen M. et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001061
; CURRENT APPLICATION NUMBER: US/09/741,154
; CURRENT FILING DATE: 2000-12-21
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; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16389
; TYPE: DNA
; ORGANISM: Human
US-09-741-154-3

Query Match 80.4%; Score 41; DB 4; Length 16389;
Best Local Similarity 86.3%; Pred. No. 1.4e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 TCAAGACGACCTGGACAACTTGGAGAACCCGGTCTCTACAAAAATACA 51
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Db 455 TCAAGACGACCTGGCCACATGGCAAAACCCCGTCTCTACAAAAATACA 405

RESULT 4
US-07-906-871-15/c
; Sequence 15, Application US/07906871
; Patent No. 5340739
; GENERAL INFORMATION:
; APPLICANT: Stevens, Richard L.
; APPLICANT: Avraham, Shalom
; TITLE OF INVENTION: HEMATOPOIETIC CELL SPECIFIC
; TITLE OF INVENTION: TRANSCRIPTIONAL REGULATORY ELEMENTS OF SERGLYCIN AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Avenue, N.W., Suite 300
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,871
; FILING DATE: 19920103
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/816,289
; FILING DATE: 03 JAN 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/635,544
; FILING DATE: 18-JAN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/224,035
; FILING DATE: 13-JUL-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Cimbala, Michele A
; REGISTRATION NUMBER: 33,851
; REFERENCE/DOCKET NUMBER: 0627.2830004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)833-7533
; TELEFAX: (202)833-8716
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17327 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: exon
; LOCATION: 621..753
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; FEATURE:
; NAME/KEY: intron
; LOCATION: 754..9596
; FEATURE:
; NAME/KEY: exon
; LOCATION: 9597..9744
; FEATURE:
; NAME/KEY: intron
; LOCATION: 9745..16396
; FEATURE:
; NAME/KEY: exon
; LOCATION: 16397..17327
US-07-906-871-15

Query Match      80.4%; Score 41; DB 1; Length 17327;
Best Local Similarity 86.3%; Pred. No. 1.4e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGACCGGTCTCTACAAAAAATACA 51
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Db 13706 TCAAGACGAGCTGGTCAACATGGCAAAACCCCTCTCTACAAAAAATACA 13656

RESULT 5
US-07-949-588-3
; Sequence 3, Application US/09749588
; Patent No. 6423521
; GENERAL INFORMATION:
; APPLICANT: CHANDRAMOULISWARAN, Ishwar et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001068
; CURRENT APPLICATION NUMBER: US/09/749,588
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 36159
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(36159)
; OTHER INFORMATION: n = A,T,C or G
US-07-949-588-3

Query Match      80.4%; Score 41; DB 4; Length 36159;
Best Local Similarity 86.3%; Pred. No. 1.7e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGACCGGTCTCTACAAAAAATACA 51
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 32026 TCAAGACGAGCTGGCAACATGGCAAGACCCCTCTCTACTATAAAATACA 32076

RESULT 6
US-07-146-053-6
; Sequence 6, Application US/09146053A
; Patent No. 6399349
; GENERAL INFORMATION:
; APPLICANT: Ryan, James W.
; APPLICANT: Sprinkle, Terry Joe Curtis
; APPLICANT: Venema, Richard C.
; TITLE OF INVENTION: Human Aminopeptidase P Gene
; FILE REFERENCE: MCG103
; CURRENT APPLICATION NUMBER: US/09/146,053A
; CURRENT FILING DATE: 1998-09-02
; EARLIER APPLICATION NUMBER: 60/057,854
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
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; LENGTH: 45546
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-146-053-6

Query Match      80.4%; Score 41; DB 4; Length 45546;
Best Local Similarity 86.3%; Pred. No. 1.8e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGACCGGTCTCTACAAAAAATACA 51
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 39107 TCAAGACGAGCTGGCAACATGGTGAACCCCTGTCTCTACAAAAAATACA 39157

RESULT 7
US-09-813-817-3/c
; Sequence 3, Application US/09813817
; Patent No. 6340583
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178
; CURRENT APPLICATION NUMBER: US/09/813,817
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
; US-09-813-817-3

Query Match      80.4%; Score 41; DB 4; Length 59065;
Best Local Similarity 86.3%; Pred. No. 1.9e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGACCGGTCTCTACAAAAAATACA 51
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 49921 TCAAGACGAGCTGGCAACATGGCAAAACCCCTGTCTCTACTATAAAATACA 49871

RESULT 8
US-09-978-197-3/c
; Sequence 3, Application US/09978197
; Patent No. 6403353
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178DIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
; US-09-978-197-3

Query Match      80.4%; Score 41; DB 4; Length 59065;
Best Local Similarity 86.3%; Pred. No. 1.9e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGACCGGTCTCTACAAAAAATACA 51
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 49921 TCAAGACGAGCTGGCAACATGGCAAAACCCCTGTCTCTACTATAAAATACA 49871
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## RESULT 9

US-09-345-882-1  
; Sequence 1, Application US/09345882  
; Patent No. 6399373  
; GENERAL INFORMATION:  
; APPLICANT: Bouquelaret, Lydie  
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)  
; FILE OF INVENTION: AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.  
; FILE REFERENCE: GENSET.031A  
; CURRENT APPLICATION NUMBER: US/09/345,882  
; CURRENT FILING DATE: 1999-06-30  
; PRIOR APPLICATION NUMBER: US 60/091,315  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/111,909  
; PRIOR FILING DATE: 1998-12-10  
; NUMBER OF SEQ ID NOS: 140  
; SOFTWARE: Patent.pm  
; SEQ ID NO 1  
; LENGTH: 162450  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 72794  
; OTHER INFORMATION: 5-124-273 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 88073  
; OTHER INFORMATION: 5-127-261 : polymorphic base A or C  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 90842  
; OTHER INFORMATION: 99-1437-325 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 93714  
; OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97122  
; OTHER INFORMATION: 99-1442-224 : polymorphic base G or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97152  
; OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 99098  
; OTHER INFORMATION: 5-130-257 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 99117  
; OTHER INFORMATION: 5-130-276 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 103806  
; OTHER INFORMATION: 5-131-395 : polymorphic base A or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 106940  
; OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108106  
; OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108149  
; OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108308

; OTHER INFORMATION: 5-135-357 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108471  
; OTHER INFORMATION: 5-136-174 : polymorphic base C or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 134134  
; OTHER INFORMATION: 5-140-120 : polymorphic base C or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 134362  
; OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 134374  
; OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 146328  
; OTHER INFORMATION: 5-143-84 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 146345  
; OTHER INFORMATION: 5-143-101 : polymorphic base A or C  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 150329  
; OTHER INFORMATION: 5-145-24 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 160031  
; OTHER INFORMATION: 5-148-352 : polymorphic base G or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 72771..72817  
; OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 72771..72817  
; OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 88050..88096  
; OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 88050..88096  
; OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 90819..90865  
; OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 90819..90865  
; OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 93690..93736  
; OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 93690..93736  
; OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97099..97145  
; OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97099..97145  
; OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71

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; FEATURE:
; NAME/KEY: allele
; LOCATION: 97130..97177
; OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97130..97177
; OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99075..99121
; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99075..99121
; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99094..99140
; OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99094..99140
; OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
; FEATURE:
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Query Match 80.4%; Score 41; DB 4; Length 162450;
Best Local Similarity 86.3%; Pred. No. 2.5e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
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QY 1 TCAAGACCGCTGGACAACTTGGAGAACCCGGCTCTCTACAAAAATACA 51
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Db 148001 TCAAGACCGCTGGACAACTTGGAGAACCCCGCATCTCTACCAAAATACA 148051
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RESULT 10
US-08-133-629-8
; Sequence 8, Application US/08133629
; Patent No. 5597694
; GENERAL INFORMATION:
; APPLICANT: Munroe, David J.
```

```
; APPLICANT: Housman, David E.
; TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACIDS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: United States of America
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/133,629
; FILING DATE: 07-OCT-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Greer, Helen
; REGISTRATION NUMBER: 36,816
; REFERENCE/DOCKET NUMBER: M0828/7001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-720-3500
; TELEFAX: 617-720-2441
; TELEX: 92-1742 EZEKIEL
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-133-629-8
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Query Match 77.3%; Score 39.4; DB 1; Length 282;
Best Local Similarity 84.3%; Pred. No. 1.9e-06;
Matches 43; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
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QY 1 TCAAGACCGCTGGACAACTTGGAGAACCCGGCTCTCTACAAAAATACA 51
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Db 79 TCAAGACCGCTGGACCAACATGCTGAACCCCGCTCTCTACTAAAAATACA 129
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RESULT 11
US-08-741-406-6
; Sequence 6, Application US/08741406
; Patent No. 5721118
; GENERAL INFORMATION:
; APPLICANT: Scheffler, Immo E.
; TITLE OF INVENTION: Mammalian Artificial Chromosomes and
; TITLE OF INVENTION: Methods of Using Same
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/741,406
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/550,717
; FILING DATE: 31-OCT-1995
; ATTORNEY/AGENT INFORMATION:
```



```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/018,584A
FILING DATE: 04-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018
REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 372 bp
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Circular
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: no
IMMEDIATE SOURCE:
LIBRARY: plasmid, pgem3zf(+)
CLONE: G152
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 8 qter
US-09-018-584A-15

Query Match 77.3%; Score 39.4; DB 4; Length 372;
Best Local Similarity 84.3%; Pred. No. 2.1e-06;
Matches 43; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 TCAAGACCACCCCTGGACAACTTGGAGAACCCSGGTCTCTACAAAAATACA 51
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Db 21 TCCAGACCACCGCTGGCCACACATGGCAAAACCCGCTCTCTACTAAAAATACA 71

RESULT 15
US-09-385-982-471/c
; Sequence 471, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON O., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS: II
; FILE REFERENCE: CCDNA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; CURRENT FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 488
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...{488}

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 146.28 Seconds  
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Title: US-09-942-310-2

Perfect score: 1680

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Scoring table: IDENTITY\_NUC

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Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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2: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PTDS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	250	14.9	10684	3	US-08-618-100B-3
2	244.2	14.5	62804	4	US-09-800-960-3
3	233.6	13.9	11531	1	US-08-068-945A-1
4	233.6	13.9	11531	1	US-08-442-806-1
5	232.8	13.9	15297	4	US-09-817-180-3
6	229	13.6	4192	4	US-09-122-126B-1
7	215.4	12.8	246240	2	US-08-724-394A-20
8	215.4	12.8	246240	2	US-08-724-394A-21
9	215.4	12.8	246240	2	US-08-724-394A-22
10	215.2	12.8	6235	4	US-09-305-384-5
11	215.2	12.8	6679	4	US-09-305-384-1
12	215	12.8	11811	4	US-09-078-294-7
13	214.6	12.8	8174	1	US-07-914-281-5
14	214.6	12.8	8174	1	US-08-393-246-5
15	214.6	12.8	8174	1	US-08-525-058A-5
16	214.6	12.8	8174	2	US-08-696-731-5
17	214.6	12.8	8174	4	US-09-042-531-5
18	214.6	12.8	8174	5	PCT-US91-00899-3
19	214.4	12.8	43950	4	US-09-735-934A-3
20	213.8	12.7	162450	4	US-09-345-882-1
21	212.2	12.6	162450	4	US-09-345-882-1
22	211.8	12.6	99500	4	US-09-798-096-10
23	208.8	12.4	59065	4	US-09-813-817-3
24	208.8	12.4	59065	4	US-09-978-197-3
25	207.2	12.3	70000	4	US-09-851-896-3
26	206.2	12.3	112132	4	US-09-741-150-3
27	203.2	12.1	98844	4	US-09-791-211-10

C 28	203	12.1	9365	4	US-09-608-285A-8	Sequence 8, Appl1
C 29	203	12.1	9365	4	US-09-350-836B-8	Sequence 8, Appl1
C 30	203	12.1	9365	4	US-09-370-265-8	Sequence 8, Appl1
C 31	203	12.1	14747	4	US-09-608-285A-42	Sequence 42, Appl1
C 32	203	12.1	15977	4	US-09-608-285A-59	Sequence 59, Appl1
C 33	201	12.0	99500	4	US-09-798-096-10	Sequence 10, Appl1
C 34	199.6	11.9	3609	4	US-09-705-299-11	Sequence 11, Appl1
C 35	198.6	11.8	3336	4	US-09-026-033-1	Sequence 1, Appl1
C 36	198.6	11.8	3336	4	US-09-026-033-2	Sequence 2, Appl1
C 37	198.6	11.8	6987	4	US-09-026-033-3	Sequence 3, Appl1
C 38	198.6	11.8	6990	4	US-09-026-033-23	Sequence 23, Appl1
C 39	197.4	11.8	1000	4	US-09-018-584A-32	Sequence 32, Appl1
C 40	197.4	11.8	22481	4	US-08-367-841A-43	Sequence 43, Appl1
C 41	197.4	11.8	22481	5	PCT-US95-07201-43	Sequence 43, Appl1
C 42	197.4	11.8	22484	4	US-09-875-223-2	Sequence 2, Appl1
C 43	197.2	11.7	87543	4	US-09-791-211-3	Sequence 3, Appl1
C 44	197	11.7	1829	2	US-08-687-080-57	Sequence 57, Appl1
C 45	196.6	11.7	70000	4	US-09-851-896-3	Sequence 3, Appl1

## ALIGNMENTS

### RESULT 1

US-08-618-100B-3  
; Sequence 3, Application US/08618100B  
; Patent No. 6068976  
; GENERAL INFORMATION:  
; APPLICANT: Briggs, Michael R.  
; APPLICANT: Auwerx, Johan  
; APPLICANT: de Vos, Piet  
; APPLICANT: Staels, Bart  
; APPLICANT: Croston, Glenn E.  
; APPLICANT: Miller, Stephen G.  
; TITLE OF INVENTION: MODULATORS OF OB GENE AND  
; SCREENING METHODS THEREFOR  
; NUMBER OF SEQUENCES: 48  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 633 West Fifth Street  
; CITY: Suite 4700  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 90071-2066  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM P.C. DOS 5.0  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/618,100B  
; FILING DATE: March 19, 1996  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/558,588  
; FILING DATE: October 30, 1995  
; APPLICATION NUMBER: 08/510,584  
; FILING DATE: August 2, 1995  
; APPLICATION NUMBER: 08/418,096  
; FILING DATE: April 5, 1995  
; APPLICATION NUMBER: 08/409,584  
; FILING DATE: March 20, 1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 219/075  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO.: 3:

```
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10684 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; DESCRIPTION: Sequence between exon 1 and exon 2
; Patent No. 6068976
US-08-618-100B-3

Query Match      14.9%; Score 250; DB 3; Length 10684;
Best Local Similarity 72.1%; Pred. No. 4.6e-57;
Matches 404; Conservative 3; Mismatches 116; Indels 35; Gaps 5;

QY 1 GAATTCAAGACAGCCTGGCAACACTTGAAGAACCAGGCTCTCTACAAAAATACAAAAAT 60
Db 6778 GAGTTCAAGACAGCCTGGCAACACTTGAAGAACCAGGCTCTCTACAAAAATACAAAAA 6837

QY 61 AGCTGGGATTTGGTGGCTGCTCATGCTTATATCCAGACACTTTGGGAGCCTGAGGTG 120
Db 6838 A--TGAGGCTGGGCTGATGACTACACCTGTATATCCAGCAGCTTTGGGAGGCCGAGGCA 6895

QY 121 GGTGATCACCTGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 180
Db 6896 GGTGATTCATGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 6955

QY 181 TCTACTGAAATATATATATATATATATATATATATATATATATATATATATATATAT 236
Db 6956 TCTATTAATAATATATATATATATATATATATATATATATATATATATATATATAT 7015

QY 237 TTAGAGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296
Db 7016 TTGGAGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 7075

QY 297 GATTGCATCATGTCACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 356
Db 7076 GATTGCATCATGTCACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 7121

QY 357 TCTCAAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 416
Db 7122 TCTCAAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 7181

QY 417 ACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 462
Db 7182 ACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 7241

QY 463 ATGATCTCTGCCACTGCACTCCGGCTGGGCAACAGAGTGCAGACCTGTCTAAAGAAAAA 522
Db 7242 GAGATCAACAACACTGCACTCCGGCTGGGCAACAGAGTGCAGACCTGTCTAAAGAAAAA 528

QY 523 AAATAAAGACATATATCTCT 542
Db 7301 TAAATAAATAAATAAATGTTCT 7320

RESULT 2
US-09-800-960-3
; Sequence 3, Application US/09800960
; Patent No. 6387677
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: THEROF
; CURRENT FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 62804
; TYPE: DNA
; ORGANISM: Human

; SEQUENCE CHARACTERISTICS:
; NAME/KEY: misc_feature
; LOCATION: (1)...(62804)
; OTHER INFORMATION: n = A,T,C or G
US-09-800-960-3

Query Match      14.5%; Score 244.2; DB 4; Length 62804;
Best Local Similarity 73.3%; Pred. No. 3.6e-55;
Matches 407; Conservative 3; Mismatches 101; Indels 44; Gaps 6;

QY 1 GAATTCAAGACAGCCTGGCAACACTTGAAGAACCAGGCTCTCTACAAAAATACAAAAAT 60
Db 54067 GAGTTCAAGACAGCCTGGCAACACTTGAAGAACCAGGCTCTCTACAAAAATACAAAAA 54126

QY 61 AGCTGGGATTTGGTGGCTGCTCATGCTTATATCCAGACACTTTGGGAGCCTGAGGTG 120
Db 54127 AGGCC-----GGGCGTAGTGGCTCAGCCTGTATATCCCAACACTTTGGGAGGCCAAGGTG 54181

QY 121 GGTGATCACCTGAA--GTCAGGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 179
Db 54182 GGTGATCACCTGAAAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 54241

QY 180 CTCTACTGAAATATATATATATATATATATATATATATATATATATATATATATAT 236
Db 54242 CTCTACTGAAATATATATATATATATATATATATATATATATATATATATATATAT 54301

QY 237 TTAGGAGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296
Db 54302 TCGGGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 54361

QY 297 GATTGCATCATGTCACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 356
Db 54362 GATCACCCCATGTGCA-----CTCCAGCCTGGGCAACAGAGCGAAACTTCT 54407

QY 357 TCTCAAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 409
Db 54408 TCTCAAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 54467

QY 410 CCCAGCTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 455
Db 54468 CCCAGCTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 54527

QY 456 GTGAGCCTATGATCTTCCCTGCGCACTGCACTCCGGCTGGGCAACAGAGTGCAGACCTGTCT 515
Db 54528 GTGAGCCTATGATCTTCCCTGCGCACTGCACTCCGGCTGGGCAACAGAGTGCAGACCTGTCT 54587

QY 516 GAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 530
Db 54588 GAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 54602

RESULT 3
US-08-068-945A-1
; Sequence 1, Application US/08068945A
; Patent No. 5616483
; GENERAL INFORMATION:
; APPLICANT: Bjursell, Gunnar
; APPLICANT: Carlsson, Peter
; APPLICANT: Enerback, Sven
; APPLICANT: Hansson, Lennart
; APPLICANT: Lidberg, Ulf
; APPLICANT: Nilsson, Jeanette
; APPLICANT: Tornell, Jan
; TITLE OF INVENTION: New DNA Sequences
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: White & Case
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2787
; COMPUTER READABLE FORM:
```



APPLICANT: Hansson, Lennart  
APPLICANT: Lidberg, Ulf  
APPLICANT: Nilsson, Jeanette  
APPLICANT: Tornell, Jan  
TITLE OF INVENTION: Genomic DNA Sequences  
TITLE OF INVENTION: Encoding Human BSSL/CEL  
NUMBER OF SEQUENCES: 58  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: White & Case  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: United States  
ZIP: 10036-2787  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442,806  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/068,945  
FILING DATE: 27-MAY-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: SE 9201809-2  
FILING DATE: 11-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: SE 9201826-6  
FILING DATE: 12-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: SE 9202088-2  
FILING DATE: 03-JUL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: SE 9300902-5  
FILING DATE: 19-MAR-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Sterner, Richard J.  
REGISTRATION NUMBER: 35,372  
REFERENCE/DOCKET NUMBER: 1103326-052  
TELEPHONE: (212)819-8783  
TELEFAX: (212)354-8113  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11531 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
TISSUE TYPE: Mammary gland  
FEATURE:  
NAME/KEY: CDS  
LOCATION: join(1653..1727, 4071..4221, 4307..4429, 4707  
LOCATION: ..4904, 6193..6323, 6501..6608, 6751..6868, 8335  
LOCATION: ..8521, 8719..8922, 10124..10321, 10650..11394)  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: join(1722..1727, 4071..4221, 4307..4429, 4707  
LOCATION: ..4904, 6193..6323, 6501..6608, 6751..6868, 8335  
LOCATION: ..8521, 8719..8922, 10124..10321, 10650..11394)  
OTHER INFORMATION: /EC.number= 3.1.1.1  
OTHER INFORMATION: /product= "Bile Salt-Stimulated Lipase"  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..1640  
FEATURE:  
NAME/KEY: TATA\_signal

LOCATION: 1611..1617  
FEATURE:  
NAME/KEY: exon  
LOCATION: 1641..1727  
FEATURE:  
NAME/KEY: exon  
LOCATION: 4071..4221  
FEATURE:  
NAME/KEY: exon  
LOCATION: 4307..4429  
FEATURE:  
NAME/KEY: exon  
LOCATION: 4707..4904  
FEATURE:  
NAME/KEY: exon  
LOCATION: 6193..6323  
FEATURE:  
NAME/KEY: exon  
LOCATION: 6501..6608  
FEATURE:  
NAME/KEY: exon  
LOCATION: 6751..6868  
FEATURE:  
NAME/KEY: exon  
LOCATION: 8335..8521  
FEATURE:  
NAME/KEY: exon  
LOCATION: 8719..8922  
FEATURE:  
NAME/KEY: exon  
LOCATION: 10124..10321  
FEATURE:  
NAME/KEY: exon  
LOCATION: 10650..11490  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 11491..11531  
US-08-442-806-1

Query Match 13.9%; Score 233.6; DB 1; Length 11531;  
Best Local Similarity 71.3%; Pred. No. 1.2e-52;  
Matches 388; Conservative 3; Mismatches 117; Indels 36; Gaps 5;  
QY 2 AATTCAAGACCAGCCTGGACAACTTTGGAAGAACCS---GGTCTCTACAAAAATACAAAA 58  
Db 5164 AGTTCAAGACCAGCCTGAAAAATCACTGGGAGAGCCCTCTCTACACAAAAATTAATAAT 5223  
QY 59 TTAGCTGGGATTGGTGGCTCATGCTCTATAATCCACAGCACTTTGGGAGCTGAGG 118  
Db 5224 TAGCTGGGACTGGCGCGGCTCACCTCTGTAAATCCACAGCACTTTGGGAGCCCAAGG 5283  
QY 119 TGGGTGGATCACCTGAAGTCAGGAGTTCAAGACTAGCTGGCCCAACATGGTGAACCCCTA 178  
Db 5284 TGGGTAGATCACCTGAGTCAGGAGTTTGACACCAGCCTGACTAAATGGAGAAACCTCT 5343  
QY 179 TCTCTACTGAAATATAYAAAA--AGCTAGACCTGGTGGCACAACACCTGTATATCCAGCTAC 236  
Db 5344 TCTCTACTGAAATATACAAAATTAGCCAGCGCTGGTGGCGCTGTGCTGTATATCCAGCTAC 5403  
QY 237 TTAGAGGCTCAGGCAGCAGAGAAATGCTTGAAGCCTAGAGGTGAAGGTTGTAGTGAGCCGA 296  
Db 5404 TCGGGAGGCTGAGGCAGAGAAATCGCTTGAACCTCAGGAGCGGAGGTTGGCGTGAGCCGA 5463  
QY 297 GATTGTCATCTATTCACAAATGGAGGGAGCCACAGCCTGGGCCAACAGAGAGAAATCTCCG 356  
Db 5464 GATCATGCCACTGCA-----CTCCAGCCTGGAGACACAGAGTAAACTCTG 5509  
QY 357 TCTCCAAAAAATAAAAAAAGRAATAGGCTGG---GTGGTGCCTGTAGTCCCA 413  
Db 5510 TCTCAAAAAAATAAAAAAATAGCAGCGGTGATCTCATCGCTCTCTCTCTCA 5569  
QY 414 GCTACTTGGGAGCGAGGG-----GTCCACTTGATGTGAGACTCGACTGA 459

[illegible]

Db 12299 AAGAAAAAACCC 12310

RESULT 6  
US-09-122-126B-1/C  
; Sequence 1, Application US/09122126B  
; Patent No. 6451575  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: AGGRECAN DEGRADING METALLO PROTEASES  
; FILE REFERENCE: DM6909  
; CURRENT APPLICATION NUMBER: US/09/122,126B  
; CURRENT FILING DATE: 1998-07-24  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 4192  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (406)..(2916)  
US-09-122-126B-1

Query Match 13.6%; Score 229; DB 4; Length 4192;  
Best Local Similarity 70.0%; Pred. No. 1.3e-51;  
Matches 411; Conservative 3; Mismatches 123; Indels 50; Gaps 6;

Qy	1	GAATTC	AAGAC	CAGCCT	GGACACT	TGGGA	AGAAC	CCSGGT	CTCTAC	AAAAA	ATA	CAAAA	--	58	
Db	4056	GAGTTC	AAGAC	CAGCCT	GGCCAA	CATG	TGGT	GAAAC	CCCTG	CTCTAC	TAAAA	ATA	CAAAA	AT 3997	
Qy	59	--	TTAG	CTCG	GATTTGG	TGGT	CGGT	GGCT	CATG	CTAT	AATCC	CAG	CAC	TTTGGGAGCCTG 115	
Db	3996	TAGT	TTGGC	TGGT	GGCCAG	CGGTGG	CTC	ACG	CGCTGT	AAATCC	CAG	CAC	TTTGGGAGATG 3937		
Qy	116	AGGTGG	TGGT	CACCTG	GAAGT	TC	AAGACT	TAGCTG	CGCCAA	CATG	TGTA	AACC	175		
Db	3936	AGCGAG	TGAT	CACCTA	AGCT	CAGG	ATTCG	AGAC	CAGCCTG	GCCA	CAC	ATGTA	AACC 3877		
Qy	176	CTATCT	CTACT	GAATTA	YAAAA	---	AGCT	AG	CTGGT	GGTGG	CAC	ACAC	CTGTAA	CTCCAG 232	
Db	3876	CCGTCT	CTACT	AAAAAT	TACAAAA	TTAG	CCGG	CGTGGT	GGTAG	GTCC	CTAT	TAAT	CTCAG 3817		
Qy	233	CTACTT	AGGAG	CTGAG	CGAGG	AGAT	TGCTT	GAAG	CTAG	AGGTG	GAAG	TTGTTAG	TGAG 292		
Db	3816	CTACTG	GGAG	CTGAG	CGAGG	AGAT	TGCTG	GAAC	CCAGT	GGCAG	AGTTCC	AGT	TGAG 3757		
Qy	293	CCGAGAT	TG	CAT	TGC	ACA	AT	TGG	AGG	GAG	CCAC	AGCCTG	GGCAAC	AGAGAA	ATC 352
Db	3756	CTGAAT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Qy	353	TCGGT	CTC	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA 410	
Db	3720	TCTGT	CTC	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA 3661	
Qy	411	CCAGCT	ACTT	GGG	AGC	GAGG	-----	-----	-----	-----	-----	-----	-----	-----	
Db	3660	CCAGCT	ACT	CAG	GGG	CGCTG	AGG	CAT	CAC	TGAG	ATC	TAAC	CCCGG	AGGAGATG	
Qy	457	TGAGCC	ATG	ATCT	CGCC	ACTG	CGC	CTC	CGG	CGCTG	GGG	CAAC	AGAGT	AGAGCC	
Db	3600	TGAGCC	AGAT	TG	GCAT	TTG	CACT	CC	AGC	CTG	GGC	CA	AGAG	AGAGTT	
Qy	517	AAAAA	AAAA	YAA	AGCA	CAT	ATC	TC	TG	AA	CA	AA	AGG	ATCCT	
Db	3542	AAAAA	AAAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA 3496	

RESULT 7  
US-08-724-394A-20  
; Sequence 20, Application US/08724394A  
; Patent No. 5872237

[illegible]



```
; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY
; FILE REFERENCE: 07236/017001
; CURRENT APPLICATION NUMBER: US/09/305,384
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,649
; EARLIER FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 6235
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-305-384-5

Query Match      12.8%; Score 215.2; DB 4; Length 6235;
Best Local Similarity 68.5%; Pred. No. 7.4e-48;
Matches 381; Conservative 2; Mismatches 140; Indels 33; Gaps 5;

QY  2 AATTCAAGACAGCCTGGACAACTTGGAGAACCCGGTCTCTACAAAAAATACAAAAATA 61
    |||||
Db   18 AGTTCAAGACAGCCTGGGAGCAT--AGGGAGACTGTCTCTACGAAAAATCAAAAAAT- 74
    |||||
QY  62 GCTGGGATTTGGGTGGGTGGCTCATGCTATAATCCAGCACTTTGGGAGCCTGAGGTGG 121
    |||||
Db   75 --TATGGCCGGCATGGTGGCTCAGCTCTGTAATCCCTGAACCTTTGGGACATCAAGGCAA 132
    |||||
QY  122 GTGGATCACTGAAGTCAAGAGTTCAAGACTAGCTGGCCACACATGGTGAACCCCTATCT 181
    |||||
Db   133 GTGGATCACTTGGTCAAGAGTTGAGACTAGCTGGCCACACATGGTGAACCCCTATCT 192
    |||||
QY  182 CTACTGAAA---TAYAAAAAGCTAGACGTGGTGGGACACACACCTGTAATCCGCTACT 237
    |||||
Db   193 CCACATAAAAAATACAAAAATTAGCCAGGCATGGTGGGAGGACCTGTATCCCGCTACT 252
    |||||
QY  238 TAGGAGGCTGAGGAGGAGAAATTTGCTGAAGCCTAGAGGTGAAGTTTGTAGTGAGCCGAG 297
    |||||
Db   253 CAGGAGGCTGAGGAGGAGAAATCACTTGAACCCAGGAGGAGGTTCCAGTGAAGTGA 312
    |||||
QY  298 ATTGCATCATTCACAAATGGAGGGAGGACCCAGCCTGGGCAACAAGAGGAAATCTCCGT 357
    |||||
Db   313 ATCACACCACTGCATCTCCAGCCTGGGTGACAGAG-----CAAGACTCTATCTCAAA 363
    |||||
QY  358 CTCGAAAAAATAAAAAAATAAAGATTAAGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 417
    |||||
Db   364 AAAAAATAAAAAAATAAATAATAGCCAGGCATGGTAGTGACACCTCTAGTCTCAGCTA 423
    |||||
QY  418 CTGGGAGGCGGGGGT-----CCACTTTGATGTGAGACTCGAGTGAAGCC 462
    |||||
Db   424 CTCAGGAGGCTGAGGTGGGAGGATCACTTTGAACCTGGGGCAGTCAAGGCTACAGTGA 483
    |||||
QY  463 ATGATCTCGCCACTGCATCTCCGCTGGGCAACAGAGTGAGNCCCTGTCTAAGAAAAA 522
    |||||
Db   484 AAGATCATGCCACTACATCCAGCCTGGGCAACAGAGAGAGACCCCTGTCTTAAAAAAT 543
    |||||

QY  523 AAAATAAAGCAACATA 538
    |||||
Db   544 AATAATAAAGAAA 559
    |||||

RESULT 11
US-09-305-384-1
; Sequence 1, Application US/09305384
; Patent No. 624218
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Heartlein, Michael W.
; APPLICANT: Selgen, Richard F.
; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY
; FILE REFERENCE: 07236/017001
; CURRENT APPLICATION NUMBER: US/09/305,384
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,649
; EARLIER FILING DATE: 1998-05-07

; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY
; FILE REFERENCE: 07236/017001
; CURRENT APPLICATION NUMBER: US/09/078,294
; CURRENT FILING DATE: 1998-05-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 11811
; TYPE: DNA
; ORGANISM: BAC-F2 contig 3
US-09-078-294-7
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; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 6679
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-305-384-1

Query Match      12.8%; Score 215.2; DB 4; Length 6679;
Best Local Similarity 68.5%; Pred. No. 7.6e-48;
Matches 381; Conservative 2; Mismatches 140; Indels 33; Gaps 5;

QY  2 AATTCAAGACAGCCTGGACAACTTGGAGAACCCGGTCTCTACAAAAAATACAAAAATA 61
    |||||
Db   37 AGTTCAAGACAGCCTGGGAGCAT--AGGGAGACTGTCTCTACGAAAAATCAAAAAAT- 93
    |||||
QY  62 GCTGGGATTTGGGTGGGTGGCTCATGCTATAATCCAGCACTTTGGGAGCCTGAGGTGG 121
    |||||
Db   94 --TATGGCCGGCATGGTGGCTCAGCTCTGTAATCCCTGAACCTTTGGGACATCAAGGCAA 151
    |||||
QY  122 GTGGATCACTGAAGTCAAGAGTTCAAGACTAGCTGGCCACACATGGTGAACCCCTATCT 181
    |||||
Db   152 GTGGATCACTTGGTCAAGAGTTGAGACTAGCTGGCCACACATGGTGAACCCCTATCT 211
    |||||
QY  182 CTACTGAAA---TAYAAAAAGCTAGACGTGGTGGGACACACACCTGTAATCCGCTACT 237
    |||||
Db   212 CCACATAAAAAATACAAAAATTAGCCAGGCATGGTGGGAGGACCTGTATCCCGCTACT 271
    |||||
QY  238 TAGGAGGCTGAGGAGGAGAAATTTGCTGAAGCCTAGAGGTGAAGTTTGTAGTGAGCCGAG 297
    |||||
Db   272 CAGGAGGCTGAGGAGGAGAAATCACTTGAACCCAGGAGGAGGTTGCACTGAGCTGAG 331
    |||||
QY  298 ATTGCATCATTCACAAATGGAGGGAGGACCCAGCCTGGGCAACAAGAGGAAATCTCCGT 357
    |||||
Db   332 ATCACACCACTGCATCTCCAGCCTGGGTGACAGAG-----CAAGACTCTATCTCAAA 382
    |||||
QY  358 CTCGAAAAAATAAAAAAATAAAGATTAAGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 417
    |||||
Db   383 AAAAAATAAAAAAATAAATAATAGCCAGGCATGGTAGTGACACCTCTAGTCTCAGCTA 442
    |||||
QY  418 CTGGGAGGCGGGGGT-----CCACTTTGATGTGAGACTCGAGTGAAGCC 462
    |||||
Db   443 CTCAGGAGGCTGAGGTGGGAGGATCACTTTGAACCTGGGGCAGTCAAGGCTACAGTGA 502
    |||||
QY  463 ATGATCTCGCCACTGCATCTCCGCTGGGCAACAGAGTGAGACCCCTGTCTAAGAAAAA 522
    |||||
Db   503 AAGATCATGCCACTACATCCAGCCTGGGCAACAGAGAGAGACCCCTGTCTTAAAAAAT 562
    |||||
QY  523 AAAATAAAGCAACATA 538
    |||||
Db   563 AATAATAAAGAAA 578
    |||||

RESULT 12
US-09-078-294-7/c
; Sequence 7, Application US/09078294
; Patent No. 6265211
; GENERAL INFORMATION:
; APPLICANT: Choo, Kong-Hong Andy
; APPLICANT: Du Sart, Desiree
; APPLICANT: Cancilla, Michael R.
; TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
; FILE REFERENCE: Davies Col
; CURRENT APPLICATION NUMBER: US/09/078,294
; CURRENT FILING DATE: 1998-05-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 11811
; TYPE: DNA
; ORGANISM: BAC-F2 contig 3
US-09-078-294-7
```



;; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
;; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
;; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
;; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU  
;; NUMBER OF SEQUENCES: 14  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,  
;; ADDRESSEE: P.C.  
;; STREET: 1755 Jefferson Davis Highway, Fourth Floor  
;; CITY: Arlington  
;; STATE: Virginia  
;; COUNTRY: U.S.A.  
;; ZIP: 22202  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/393,246  
;; FILING DATE:  
;; CLASSIFICATION: 530  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/220,433  
;; FILING DATE: 30-MAR-1994  
;; APPLICATION NUMBER: US 07/914,281  
;; FILING DATE: 20-JUL-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Lavalleye, Jean-Paul M. P.  
;; REGISTRATION NUMBER: 31,451  
;; REFERENCE/DOCKET NUMBER: 2363-060-55  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (703)521-4500  
;; TELEFAX: (703)486-2347  
;; TELEX: 248855 OPAT UR  
;; INFORMATION FOR SEQ ID NO: 5:  
;; SEQUENCE CHARACTERISTICS:  
;; TYPE: nucleic acid  
;; STRANDEDNESS: unknown  
;; TOPOLOGY: unknown  
;; MOLECULE TYPE: DNA (genomic)  
;; ANTI-SENSE: NO  
US-08-393-246-5

Query Match 12.8%; Score 214.6; DB 1; Length 8174;  
Best Local Similarity 68.0%; Pred. NO. 1.2e-47;  
Matches 379; Conservative 1; Mismatches 155; Indels 22; Gaps 5;  
QY 1 GAATTCAGACGAGCTGGACAACTTGGAGAACCGGCTCTCTACAAAAAATACAAATTT 60  
Db 4362 GAGTTCAAGATCAGCGCTGGGCAACAGAGCA-CTCTTACAAAAAATTTTAAATTTAGCTT 4304  
QY 61 AGCTGGGATTGGGTGCGGTGCTCATGTATATATCCAGCACCTTTGGGAGCCTGAGGTG 120  
Db 4303 GGCATGGCGAGCGCGGTGCTCACACCTGTATCCAGCACCTTTGGAGGCCAAGTG 4244  
QY 121 GGTGATCCTGAAGTCAGAGTTCAAGATAGCTGGCCCAACATGTGAAACCCCTATC 180  
Db 4243 GGTGGATCACCCTGAGTTGGAGTTCGAGACCGCTGACCAACGTGGAGAACCCCTGTC 4184  
QY 181 TCTACTGAAATATAA--AGCTAGACGTGGTGGCAGACACCTGTATCCAGCTACTT 238  
Db 4183 TCTACTTAAATATAAATTAGCCGGCATGGTGGCGCATGCTGTATCCAGCCCACTC 4124  
QY 239 AGGAGGCTGAGCGAGGAAATTTGCTGAAGCCTAGAGGTGAAGTGTAGTGAGCCGAGA 298  
Db 4123 GGGAGGCTGAGCGAGGAAATCGCTGAACCCGGGGCGGAGTTCGGGTGACGTGAGA 4064  
QY 299 TTGCATCATTCACAATGGAGGGAGCCACAGCCTGGGCAACAGAGGAAATCTCCGTC 358  
Db 4063 TCATGCCATTACA-----CTCCAGCCTGGGCAACAGAGTGAAGTGAATTCGCTC 4018

QY 359 TCCAAAAAAGAGATT-AGGCTGGGTGGTGGCTGTAGTCCAGCTA 417  
Db 4017 TCCAAAAAAGAGATTAGCTTGGCATGTGGCAGCATGTCTGTGGTCTCAGCTA 3958  
QY 418 CTGGGAGCGAGGGGTCCACTTGTGTCGAGACTGCGAGTGCAGTGCATCTGCTGCC- 473  
Db 3957 CACCGGATGCTAAGCGGGAGGATCCCGGAGCTCACAATGAGCGCGATAGCACCGCTG 3898  
QY 474 ACTGCACCTCCGCGCTGGGCAACAGAGTGCAGACCTGTCTTAAAGAAAAAATAAGCA 533  
Db 3897 ACTGCACCTCCAGCTTGGCGGACAGAGAGGACCTGTCTTAAAGAAAAAATAAGCA 3838  
QY 534 ACATATCTCGAACAAAG 550  
Db 3837 AAAGAAAGTGTCCAGG 3821

## RESULT 15

US-08-525-058A-5/c  
; Sequence 5, Application US/08525058A  
; Patent No. 5770420  
; GENERAL INFORMATION:

;; APPLICANT: LOWE, JOHN B.  
;; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS  
;; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,  
;; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION  
;; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES  
;; NUMBER OF SEQUENCES: 23  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT, P.C.  
;; STREET: 1755 Jefferson Davis Highway, Fourth Floor  
;; CITY: Arlington  
;; STATE: Virginia  
;; COUNTRY: U.S.A.  
;; ZIP: 22202  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/525,058A  
;; FILING DATE:  
;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Lavalleye, Jean-Paul M. P.  
;; REGISTRATION NUMBER: 31,451  
;; REFERENCE/DOCKET NUMBER: 2363-060-55  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (703)521-4500  
;; TELEFAX: (703)486-2347  
;; TELEX: 248855 OPAT UR  
;; INFORMATION FOR SEQ ID NO: 5:  
;; SEQUENCE CHARACTERISTICS:  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA (genomic)  
;; ANTI-SENSE: NO  
US-08-525-058A-5

Query Match 12.8%; Score 214.6; DB 1; Length 8174;  
Best Local Similarity 68.0%; Pred. NO. 1.2e-47;  
Matches 379; Conservative 1; Mismatches 155; Indels 22; Gaps 5;

QY 1 GAATTCAGACGAGCTGGACAACTTGGAGAACCGGCTCTCTACAAAAAATACAAATTT 60  
Db 4362 GAGTTCAAGATCAGCGCTGGGCAACAGAGCA-CTCTTACAAAAAATTTTAAATTTAGCTT 4304  
QY 61 AGCTGGGATTGGGTGCGGTGCTCATGTATATATCCAGCACCTTTGGGAGCCTGAGGTG 120  
Db 4303 GGCATGGCGAGCGCGGTGCTCACACCTGTATCCAGCACCTTTGGGAGGCCAAGTG 4244





Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	1677.2	99.8	1680	9	US-09-942-310-2	Sequence 2, Appli
2	1677.2	99.8	9432	9	US-09-942-310-1	Sequence 1, Appli
3	1677.2	99.8	9432	9	US-10-209-737-1	Sequence 1, Appli
4	1677.2	99.8	9432	9	US-10-209-737-2	Sequence 2, Appli
5	249.2	14.8	13409	9	US-09-764-891-9601	Sequence 9601, Ap
6	249	14.8	57130	10	US-09-835-081-3	Sequence 3, Appl
7	244.2	14.5	62804	12	US-10-096-960-3	Sequence 3, Appl
8	243.8	14.5	5881	9	US-09-764-891-9918	Sequence 9918, Ap
9	242.2	14.4	13862	9	US-09-764-891-5477	Sequence 5477, Ap
10	242.2	14.4	13862	9	US-09-764-891-10204	Sequence 10204, A
11	242	14.4	15843	9	US-10-222-334-7	Sequence 7, Appli
12	240.2	14.3	60159	10	US-09-880-107-2362	Sequence 2362, A
13	240.2	14.3	21470	9	US-10-092-154-1157	Sequence 1157, Ap
14	240.2	14.3	21470	10	US-09-764-847-1157	Sequence 1157, A
15	238.8	14.2	32190	9	US-10-091-504-2209	Sequence 2209, Ap
16	238.8	14.2	32190	10	US-09-764-869-2209	Sequence 2209, Ap
17	238.2	14.2	5281	9	US-09-764-891-7789	Sequence 7789, Ap
18	238.2	14.2	5281	9	US-09-764-891-7788	Sequence 7788, Ap
19	237.8	14.2	65608	9	US-09-954-531-180	Sequence 180, App





QY 421 GGGAGGCGAGGGTCCACTTGTATGTCGAGACTGCACTGAGCCATGATCCTGCCACTGCAC 480  
DB 421 GGGAGGCGAGGGGTCCACTTGTATGTCGAGACTGCACTGAGCCATGATCCTGCCACTGCAC 480  
QY 481 TCCGGCCTGGGCAACAGAGTGGAGCCCTGTCTAAAGAAAAAATAAGCAACATATC 540  
DB 481 TCCGGCCTGGGCAACAGAGTGGAGCCCTGTCTAAAGAAAAAATAAGCAACATATC 540  
QY 541 CTGAACAAAGGATCCTCCATACAGTTCACAGATTTCTTAATCAGAAACATGGAGGCA 600  
DB 541 CTGAACAAAGGATCCTCCATACAGTTCACAGATTTCTTAATCAGAAACATGGAGGCA 600  
QY 601 GAAAGCAGTGGAGGAGACACCTCCAGGATGCTGAGGAGCCCGGAGGATGTTGTACAGGTCGGG 660  
DB 601 GAAAGCAGTGGAGGAGACACCTCCAGGATGCTGAGGAGCCCGGAGGATGTTGTACAGGTCGGG 660  
QY 661 CAAGGGCCTCCGGCTACCACTGGAGTCTGGGAACAGCCCTGTTCAACAACAAGAAGC 720  
DB 661 CAAGGGCCTCCGGCTACCACTGGAGTCTGGGAACAGCCCTGTTCAACAACAAGAAGC 720  
QY 721 CATAGCCCGCCAGAGCCAGGAATGTGGGCTGGGCTGGGAGCAGCCCTCTGGACAGGAGT 780  
DB 721 CATAGCCCGCCAGAGCCAGGAATGTGGGCTGGGCTGGGAGCAGCCCTCTGGACAGGAGT 780  
QY 781 GGTCCCATCCAGGAACCTCCGGATGCTGGGAAGTGGGTAAGTGGTGGGCTGCTGT 840  
DB 781 GGTCCCATCCAGGAACCTCCGGATGCTGGGAAGTGGGTAAGTGGTGGGCTGCTGT 840  
QY 841 ATGTGTGTGACTGTGTGTGAGAGAGATGTGCTAGTGTGAGTGTGAGTGT 900  
DB 841 ATGTGTGTGACTGTGTGTGAGAGAGATGTGCTAGTGTGAGTGTGAGTGT 900  
QY 901 GTGTATGTGTGAATATTCTTTGTGTGGGTGATTTCTGCTGTGTAAATGCTGTGCCCTG 960  
DB 901 GTGTATGTGTGAATATTCTTTGTGTGGGTGATTTCTGCTGTGTAAATGCTGTGCCCTG 960  
QY 961 CAAGTGTCAACAGTGGACAGTGTCTGGGAGTGGACAGAGATCTGTGCACCATCAGGT 1020  
DB 961 CAAGTGTCAACAGTGGACAGTGTCTGGGAGTGGACAGAGATCTGTGCACCATCAGGT 1020  
QY 1021 GTGTGATAGGCTGTGTGATGTCAAGAGTCAAGGTGAAGTGAAGGAGCAGGCCCATG 1080  
DB 1021 GTGTGATAGGCTGTGTGATGTCAAGAGTCAAGGTGAAGTGAAGGAGCAGGCCCATG 1080  
QY 1081 ATGCCACTATCATCAGAGCTCTAAGGCCCCAGGTAAGTGCAGAGTACAGATAGGGTG 1140  
DB 1081 ATGCCACTATCATCAGAGCTCTAAGGCCCCAGGTAAGTGCAGAGTACAGATAGGGTG 1140  
QY 1141 CTGAAGTCACTCTGGAGTGGCAGTGGGGTAGGGAAGGCAAGGCCATGTTCTGGA 1200  
DB 1141 CTGAAGTCACTCTGGAGTGGCAGTGGGGTAGGGAAGGCAAGGCCATGTTCTGGA 1200  
QY 1201 GGAGGGTGTGACTACATTAGGTTGTATGACCTAGCTGGGAGTGGATGCCCGGTCC 1260  
DB 1201 GGAGGGTGTGACTACATTAGGTTGTATGACCTAGCTGGGAGTGGATGCCCGGTCC 1260  
QY 1261 ACTGAACCCCTGGTTATCCCAAGAGGCTTTCAGAGCTTCAGAGCTTGGAGTGGGAGAG 1320  
DB 1261 ACTGAACCCCTGGTTATCCCAAGAGGCTTTCAGAGCTTCAGAGCTTGGAGTGGGAGAG 1320  
QY 1321 GGGGTGACTTCTCGACAGCCCTCCACCGGCTACCCCTGGTGAAGGGCTGGAGCAG 1380  
DB 1321 GGGGTGACTTCTCGACAGCCCTCCACCGGCTACCCCTGGTGAAGGGCTGGAGCAG 1380  
QY 1381 GAAGCAGGGCAAGAACTCTGGAGCAGCCCATACCGCCCTGGCTGACTCTGCCACTG 1440  
DB 1381 GAAGCAGGGCAAGAACTCTGGAGCAGCCCATACCGCCCTGGCTGACTCTGCCACTG 1440  
QY 1441 GCAGCAGAGTCAACACAGAGGTTTCACTACAGCAGAGGGCAAGGCCATCATCAGTCC 1500  
DB 1441 GCAGCAGAGTCAACACAGAGGTTTCACTACAGCAGAGGGCAAGGCCATCATCAGTCC 1500  
QY 1501 CTTTATAAGGAAGGGTCACCGCTCGGTGTGCTGAGAGTGTCTGCTGCTCTCTGTG 1560

DB 1501 CTTTATAAGGAAGGGTCACCGCTCGGTGTGCTGAGAGTGTCTGCTGCTCTCTGTG 1560  
QY 1561 CTTGTGTGGGTGGGGTCCAGGTGTGTCCAGAGAGCCCATTTGGTAGTGAGGAGGTA 1620  
DB 1561 CTTGTGTGGGTGGGGTCCAGGTGTGTCCAGAGAGCCCATTTGGTAGTGAGGAGGTA 1620  
QY 1621 TGGGCTAGAAGCACTGTGTGCCCTGGCCGTGATAGTGGCCATCTTCCTGCTCTGTGG 1680  
DB 1621 TGGGCTAGAAGCACTGTGTGCCCTGGCCGTGATAGTGGCCATCTTCCTGCTCTGTGG 1680

## RESULT 4

US-10-209-737-2

; Sequence 2, Application US/10209737

; Publication No. US20030083485A1

; GENERAL INFORMATION:

; APPLICANT: Pfizer Inc.

; APPLICANT: Milos, Patrice M.

; APPLICANT: Webb, Suzin M.

; TITLE OF INVENTION: NO. US20030083485A1el Variants Of The Human CYP2D6 Gene

; FILE REFERENCE: PC11033AGR

; CURRENT APPLICATION NUMBER: US/10/209,737

; CURRENT FILING DATE: 2002-07-31

; PRIOR APPLICATION NUMBER: US 60/309,111

; PRIOR FILING DATE: 2001-07-31

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 9433

; TYPE: DNA

; ORGANISM: HOMO SAPIENS

US-10-209-737-2

Query Match 99.8%; Score 1677.2; DB 9; Length 9433;  
Best Local Similarity 99.6%; Pred. No. 0;  
Matches 1673; Conservative 7; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAATTCAGACAGCAGCTGGACAACCTTGGGAACACCGGTCTCTACAAAAATACAAAAAT 60  
DB 1 GAATTCAGACAGCAGCTGGACAACCTTGGGAACACCGGTCTCTACAAAAATACAAAAAT 60  
QY 61 AGCTGGGATTTGGTGGCTGCTCATGCTTAATATCCAGCAGCTTTGGGAGCCTGAGGTG 120  
DB 61 AGCTGGGATTTGGTGGCTGCTCATGCTTAATATCCAGCAGCTTTGGGAGCCTGAGGTG 120  
QY 121 GGTGATCACCTGAAGTCAGGAGTTCAAGACTAGCTGGCCAAACATGGTGAACCCCTATC 180  
DB 121 GGTGATCACCTGAAGTCAGGAGTTCAAGACTAGCTGGCCAAACATGGTGAACCCCTATC 180  
QY 181 TCTACTGAAATATATAAAGCTAGACGTGGTGGGCAACACCTGTAAATCCAGCTACTTAG 240  
DB 181 TCTACTGAAATATATAAAGCTAGACGTGGTGGGCAACACCTGTAAATCCAGCTACTTAG 240  
QY 241 GAGCTGAGCAGGAGAAATGCTTCAACCCCTAGAGGTGAAGGTCTAGTGAAGCCAGATT 300  
DB 241 GAGCTGAGCAGGAGAAATGCTTCAACCCCTAGAGGTGAAGGTCTAGTGAAGCCAGATT 300  
QY 301 GCATCATTCACAAATGGAGGGAGCCACAGCTGGGCAACAAGAGGAAATCTCCGCTCTC 360  
DB 301 GCATCATTCACAAATGGAGGGAGCCACAGCTGGGCAACAAGAGGAAATCTCCGCTCTC 360  
QY 361 CAAAAAAMAAAAAAMAAAAAAGATTAGGTGGGTGGTGGCTGTAGTCCAGCTACTT 420  
DB 361 CAAAAAAMAAAAAAMAAAAAAGATTAGGTGGGTGGTGGCTGTAGTCCAGCTACTT 420  
QY 421 GGGAGGAGGGGGTCCACTTGTATGTCGAGACTGAGTGGAGCCATGATCCTGGCAGTGCAC 480  
DB 421 GGGAGGAGGGGGTCCACTTGTATGTCGAGACTGAGTGGAGCCATGATCCTGGCAGTGCAC 480  
QY 481 TCCGGCCTGGGCAACAGAGTGGAGCCCTGTCTAAAGAAAAAATAAGCAACATATC 540  
DB 481 TCCGGCCTGGGCAACAGAGTGGAGCCCTGTCTAAAGAAAAAATAAGCAACATATC 540

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Qy 541 CTGAACAAAGATCCCTCCATAACGTTCCACCAGATTCTTAATCAGAAACATGAGGCCA 600
Db 541 CTGAACAAAGATCCCTCCATAACGTTCCACCAGATTCTTAATCAGAAACATGAGGCCA 600
Qy 601 GAAAGCAGTGGAGGAGACRACCTCAGGCAGCCCGGAGGATGTTCTCAGGCTGGG 660
Db 601 GAAAGCAGTGGAGGAGACRACCTCAGGCAGCCCGGAGGATGTTCTCAGGCTGGG 660
Qy 661 CAAGGGCTTCCGGCTACCAACTGGGAGCTCTGGGAACAGCCCTGTTGCAACAAAGC 720
Db 661 CAAGGGCTTCCGGCTACCAACTGGGAGCTCTGGGAACAGCCCTGTTGCAACAAAGC 720
Qy 721 CATAGCCCGCCAGAGCCAGGATGCGCTGGGAGTGGGCTGGGAGCAGCTCTGGACAGT 780
Db 721 CATAGCCCGCCAGAGCCAGGATGCGCTGGGAGTGGGCTGGGAGCAGCTCTGGACAGT 780
Qy 781 GGTCCCATCCAGGAACCTCCGGCATGGCTGGGAAGTGGGTACTTGGTCCGGGTCTGT 840
Db 781 GGTCCCATCCAGGAACCTCCGGCATGGCTGGGAAGTGGGTACTTGGTCCGGGTCTGT 840
Qy 841 ATGTGTGTGACTGGTGTGTGTGAGAGAAATGTGCTTAAGTGTCAAGTGTGAGTCT 900
Db 841 ATGTGTGTGACTGGTGTGTGTGAGAGAAATGTGCTTAAGTGTCAAGTGTGAGTCT 900
Qy 901 GTGTATGTGGAATATGTTCTTGTGTGGTGATTTTCTGCTGTGTAAATCGTCCCTG 960
Db 901 GTGTATGTGGAATATGTTCTTGTGTGGTGATTTTCTGCTGTGTAAATCGTCCCTG 960
Qy 961 CAAGTGTGAACAAGTGGACAAGTGTCTGGGAGTGGACAAGATCTGTGCACCATCAGT 1020
Db 961 CAAGTGTGAACAAGTGGACAAGTGTCTGGGAGTGGACAAGATCTGTGCACCATCAGT 1020
Qy 1021 GTGTGCATAGCGTCTGTGCATGCAAGAGTGCAGAGTGAAGTGAAGGAGCAGCCCATG 1080
Db 1021 GTGTGCATAGCGTCTGTGCATGCAAGAGTGCAGAGTGAAGTGAAGGAGCAGCCCATG 1080
Qy 1081 ATGCCACTCATCATCAGAGCTCTAAGGCCCCAGTAACTGCCAGTCAAGATGAAGGTG 1140
Db 1081 ATGCCACTCATCATCAGAGCTCTAAGGCCCCAGTAACTGCCAGTCAAGATGAAGGTG 1140
Qy 1141 CTGAAGTCACTCTGGAGTGGGAGTGGGGTAGGGAAGGGCAAGGCCATGTCTCGGA 1200
Db 1141 CTGAAGTCACTCTGGAGTGGGAGTGGGGTAGGGAAGGGCAAGGCCATGTCTCGGA 1200
Qy 1201 GGAGGGTTGTGACTACATAGGTTGTATGAGCCTACTGGGAGTGGATGGCCRGCTC 1260
Db 1201 GGAGGGTTGTGACTACATAGGTTGTATGAGCCTACTGGGAGTGGATGGCCRGCTC 1260
Qy 1261 ACTGAAACCTGGTTATCCAGAGGCTTTGCAGGCTTCAGGAGCTTGGAGTGGGAGAG 1320
Db 1261 ACTGAAACCTGGTTATCCAGAGGCTTTGCAGGCTTCAGGAGCTTGGAGTGGGAGAG 1320
Qy 1321 GGGGTGACTTCTCCGACAGGCCCTCCACCGGCTACCTGGGTAAAGGCGCTGGAGCAG 1380
Db 1321 GGGGTGACTTCTCCGACAGGCCCTCCACCGGCTACCTGGGTAAAGGCGCTGGAGCAG 1380
Qy 1381 GAAGCAGGGCAAGACCTCTGGAGCAGCCCATACCGCCCTGBCCTGACTCTGCCACTG 1440
Db 1381 GAAGCAGGGCAAGACCTCTGGAGCAGCCCATACCGCCCTGBCCTGACTCTGCCACTG 1440
Qy 1441 GCAGCAGTCAACACAGCAGTTCACTCAAGCAGAGGCAAGGCCATCATCAGCTCC 1500
Db 1441 GCAGCAGTCAACACAGCAGTTCACTCAAGCAGAGGCAAGGCCATCATCAGCTCC 1500
Qy 1501 CTTTATAAGGGAAGGTCAGCGCTCGGTGTGTGTGAGAGTGTCTGTGCTGTCTCTGTG 1560
Db 1501 CTTTATAAGGGAAGGTCAGCGCTCGGTGTGTGTGAGAGTGTCTGTGCTGTCTCTGTG 1560
Qy 1561 CTTGTGGGTGGGGTGCCAGGTGTGTCCAGAGGAGCCCATTTGGTAGTGAGCAGGTA 1620
Db 1561 CTTGTGGGTGGGGTGCCAGGTGTGTCCAGAGGAGCCCATTTGGTAGTGAGCAGGTA 1620
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Qy 1621 TGGGGCTAGAGCACTGGTGGCCCTGGCCCTGATAGTGGCCATCTTCTCTCTCTGGTGG 1680
Db 1621 TGGGGCTAGAGCACTGGTGGCCCTGGCCCTGATAGTGGCCATCTTCTCTCTCTGGTGG 1680

RESULT 5
US-09-764-891-9601
; Sequence 9601, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9601
; LENGTH: 13409
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9601
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Query Match 14.8%; Score 249.2; DB 9; Length 13409;
Best Local Similarity 71.6%; Pred. No. 6.3e-62;
Matches 411; Conservative 2; Mismatches 120; Indels 41; Gaps 5;

Qy 1 GAATTTCAAGCAGCAGCCCTGGACAACCTTGGAAACCCGGTCTCTACAAAAATACAAAAAT 60
Db 11651 GAGTTCAGACACCCCTGGCCAACATGCGGAACCTCTACTAAAAAATACAAAA 11710
Qy 61 AGCTGGGATTTGGTGGCTCATGCCCTATAATCCAGCACTTTTGGAGCCCTGAGGTG 120
Db 11711 ATTAGGCCA--GGTGCAGTGGCTCACACTTGTAAATTCAGCACTTTGGAGGCTGAGGTG 11768
Qy 121 GGTGGATCACTGAAGTCAGGAGTTCAGACTACCTGCGCAACATGCTGAACCCCTATC 180
Db 11769 GGTAGTTACCTGAGGTGAGGATTCAGACCAACCTGGCCAGCATGCTGAACCCCTGTC 11828
Qy 181 TCTACTGAAATATAYAAAA--AGCTAGACCTGGTGGCACACACCTGTAATCCAGCTAC 236
Db 11829 TCTACTAAAAATACAAAAAATTAGCTGGCATGCTGGCAGCGCTGTAGTCCAGCTAC 11888
Qy 237 TTAGAGGCTGAGCAGCAGAGAAATTGCTTGAAGCCTTAGAGGTGAAGTTGTAGTGAGCGCA 296
Db 11889 TTGGAGGCTGAGCAGCAGAGATTCTGCTTGAGCCTTAGGAGCGGAGGTTGTCTAGAGCTGA 11948
Qy 297 GATTGCATCATTTGCACAATGGAGGGAGCCACAGCCTGGGCAACAAGAGGAAATCTCCG 356
Db 11949 AATCACACCATCGCA-----CTCCAGCCTGCACACAGAGGGAACCTCTT 11994
Qy 357 TCTCAAAAAAATAAAAAAATAAAAAAAGRATTAGGCTGGGTGGTG-----CCTGTAGT 409
Db 11995 GTCTCAAAAAAATAAAAAAATAAAAAAATAAAAAAATTAGCGGATGTTGGTGGCACACACCTGTAGT 12054
Qy 410 CCCAGCTACTTGGGAGGAGCGGG-----GTCCACTTGTAGTGTGAGACTGCA 455
Db 12055 CCCAGCTCTGGGAGGCTGAGGCAAGACAGTCACTTGAACCCGTTAGTGGAGGTGCA 12114
Qy 456 GTGAGCATGATCTCTGCCACTGCACTCGGCTGGCAACAGAGTGAGACCCCTGTCTCTAAA 515
Db 12115 GTGAGCCAGATTGTGCCACTGCACTCCAGCTGGCAACAGAGTCCATCTCAG 12174

Qy 516 GAAAAAATAAAGCAACATATCTCTGAACAAA 549
Db 12175 GAAAAAATAAAGCAACATATCTCTGAACAAA 12208
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RESULT 6
US-09-835-081-3/c
; Sequence 3, Application US/09835081
; Patent No. US20020151020A1
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; GENERAL INFORMATION:  
; APPLICANT: YAN, Xianghe et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: CL001224  
; CURRENT APPLICATION NUMBER: US/09/835,081  
; CURRENT FILING DATE: 2001-04-16  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 57130  
; TYPE: DNA  
; ORGANISM: Human  
US-09-835-081-3

Query Match 14.8%; Score 249; DB 10; Length 57130;  
Best Local Similarity 72.4%; Pred. No. 1.4e-61;  
Matches 402; Conservative 3; Mismatches 113; Indels 37; Gaps 5;  
QY 1 GAATTCAGACAGCCTGGACAACTTGAAGAACCGGGTCTCTACAAAAATACAAAATT 60  
Db 22550 GAGTTCAAGATCGGCTGGCCAAACATGGTGAATCCCATCTCTACTAAAAATACAAAAT 22491  
QY 61 AGCTGGATTGGGTGGGTGGCTCATGCTATAATCCAGCACTTTGGGAGCCTGAGGTG 120  
Db 22490 T----GGGCTGGCACCGTGGCTCAGCGCTGTAATCGCAGAACTTTGGGAAGCCGAGGTG 22435  
QY 121 GGTGATCACCCTGAAGTCAAGAGTTCAGACCTAGCCTGGCCCAACATGGTGAACCTATC 180  
Db 22434 GGCAGTACCTTGAGTTGGGAGTTCAAGACAGCCTGACCAACATGGAGAAACCCCGTC 22375  
QY 181 TCTACTGAAATAYAAAA--AGCTAGAGTGGTGGCACACACCTGTATCCAGCTACTT 238  
Db 22374 TCTACTAAAAATACAAAATTAGCTGGCGTGGTGGCATGCTATATATCCAGTACTC 22315  
QY 239 AGGAGCTGAGCAGGAGAATTGCTTGAAGCTAGAGTGAAGTGTGTAGTGAGCCGAGA 298  
Db 22314 GGGAGGCTGAGCAGGAGAAATTGCTTGAACCCAGGAGTGGGTTGGCGTGAGCCGAGA 22255  
QY 299 TTGCATCATTCGACAAATGGAGGGAGCCACAGCCTGGGCAACAGAGAAATCTCCGTC 358  
Db 22254 TCATGCCATTGCA-----CTCCAGCCTGGGCAACAGAGCGAACTCCGTC 22209  
QY 359 TCCAAAAAATAAAAAAAGRAATTAGGCTGGGTG---GTGCGCTGTAGTCCCGAGC 415  
Db 22208 TCAAAAAACATAAGATAAAATAGCCGGCATGGTGGTGGCGCCAGTAGTCCCGAGG 22149  
QY 416 TACTTGGAGGAGCGGGGTCCACTT-----GATGTCGAGACTGCAGTGAGC 461  
Db 22148 TACTCAGGAGGCTGAGGCGACAAAAATTCGTTGAACCTGGGAGCGAGAGTTGCAGTGAGC 22089  
QY 462 CATGATCTGCACCTGCAGTCCGGCTGGGCAACAGAGTGAAGCCCTGTCTTAAAGAAAA 521  
Db 22088 TGAGACTTGCACCTGCAGTCCAGCCTGAGCAACAGAGTGAAGTGTCTCTCAAAAAA 22029  
QY 522 AAAAATAAGCAACA 536  
Db 22028 AGAAAAAGCTAGAAC 22014

RESULT 7  
US-10-096-960-3  
; Sequence 3, Application US/10096960  
; Patent No. US20020132325A1  
; GENERAL INFORMATION:  
; APPLICANT: YE, Jane et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: CL001158DV  
; CURRENT APPLICATION NUMBER: US/10/096,960  
; CURRENT FILING DATE: 2002-03-14

; PRIOR APPLICATION NUMBER: 09/800,960  
; PRIOR FILING DATE: 2001-03-08  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 62804  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)---(62804)  
; OTHER INFORMATION: n = A,T,C or G  
US-10-096-960-3

Query Match 14.5%; Score 244.2; DB 12; Length 62804;  
Best Local Similarity 73.3%; Pred. No. 3.5e-60;  
Matches 407; Conservative 3; Mismatches 101; Indels 44; Gaps 6;  
QY 1 GAATTCAGACAGCCTGGACAACTTGAAGAACCGGGTCTCTACAAAAATACAAAATT 60  
Db 54067 GAGTTCAAAACAGCCTGGCCAAACATGATGAACCCCGCTCTCTACTAAAAATACAAAAA 54126  
QY 61 AGCTGGATTGGGTGGGTGGCTCATGCTATAATCCAGCACTTTGGGAGCCTGAGGTG 120  
Db 54127 AGGCC-----GGGCGTAGTGGCTCAGCGCTGTATCCCAACACTTTGGGAGGCCAAGGTG 54181  
QY 121 GGTGATCACCTGAA--GTCCAGAGTTCAGAGCTAGCCTGGCCAAACATGGTGAACCCCTAT 179  
Db 54182 GGTGATCACCTGAAAGTTCAGAGTTCAGAGCTAGCCTGGCCAAACATGGTGAACCTCAT 54241  
QY 180 CTCCTACTGAAATAYAAAAAGCTAGACCTG---GTGGCACACACCTGTAAATCCAGCTAC 236  
Db 54242 CTCCTACTGAAATAYAAAAATAGCCAGGTGTGGGCGAGGTGCTGTAAATCGTAGCTAC 54301  
QY 237 TTAGAGGCTGAGCGAGGAGAAATGCTTGAAGCCTAGAGGTGAAGTGTAGTGTAGTGAGCGGA 296  
Db 54302 TCGGAGCGGAGGTGGGAGTTCGCTTGAACCTGGGAGGTGGAGGTGGCAGTGAGCGGA 54361  
QY 297 GATTGCTATTCGACAAATGAGGGAGCCACAGCCTGGGCAACAGAGAAATCTCCG 356  
Db 54362 GATCACCCTCATGCA-----CTCCAGCCTGGGCAACAGAGCGAACTCT 54407  
QY 357 TCTCCAAAAAATAAAAAAAGRAAT-----TAGGCTGGGTGGTGCCTGTAGT 409  
Db 54408 TCTCAAAAAAATAAAAAAAGRAATTTAGCCGGGTGTGGTGGCGGGTCTCTGTAA 54467  
QY 410 CCCAGCTACTTGGGAGGCGAGG-----GTCCACTTGATGTGAGACTGCA 455  
Db 54468 CCCAGCTACTTGGGAGGACTGAGGCTGAAATGGCTTGAACCCGGGAGGTGGAGTTGCA 54527  
QY 456 GTGAGCCATGATCTGCCACTGCACTCCGGCTGGGCAACAGAGTGAAGCCCTGTCTAAA 515  
Db 54528 GTGAGCTGAGATTGCACCTGCACTCCAGCCTGGGTGGTGAACAGCGAGACTCTCTCAA 54587  
QY 516 GAAAAAATAATAA 530  
Db 54588 GAAAAAATAATAA 54602

RESULT 8  
US-09-764-891-9918  
; Sequence 9918, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 9918

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; LENGTH: 5881
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9918

Query Match      14.5%; Score 243.8; DB 9; Length 5881;
Best Local Similarity 72.6%; Pred. No. 1.7e-60;
Matches 409; Conservative 2; Mismatches 114; Indels 38; Gaps 6;

QY 1 GAATTCAGACACCGCTGGACAACTTGGAAAGAACCCGGTCTCTACAAAAATACAAAT 60
Db 1596 GAGTTTGAGACACCGCTGGCCACATGCGGAAACCCCATCTCTACTAAAAATACAAAGT 1655

QY 61 AGCTGGGATTGGGTGC-----GGTGGCTCATGCCCTATATATCCAGCAGCTTTGGGA 110
Db 1656 TAGCCAGCATGGCCGGGCATGCTGGGTGGCTCATGCCCTGTATATCCAGCAGCTTTGGGA 1715

QY 111 GCCTGAGGTGGGTGGATCAGCTGAGAGTCAGAGTTCAAGACTAGCCTGGCCACACATGGTG 170
Db 1716 GGCCGAGGTGGCGGGATCAGCTGAGGTGAGGTTCAAGACCCAGCCTGGACACATGGCA 1775

QY 171 AAACCCCTATCTCTACTGAAATAYAAAA---AGCTAGACGTGGTGGCACACACCTGTAAT 227
Db 1776 AAACCCCTGCTCTATTTAAATATCAAAAATATAGCCAGCCTTATGGTAGGGCCCTAAT 1835

QY 228 CCAGCTACTTAGGAGGCTGAGCAGGAGAAATGCTTTGAAGCCCTAGAGGTGAAGTTGTA 287
Db 1836 CCAGCTACTCGGAAGCTGAGCAGGAGAAATGCTTTGAAGCCAGGAGGAGGAGTTGCA 1895

QY 288 GTGAGCGGAGATTGCATCATTTGCATATGAGGAGGGAGCCACAGCCTGGGCAACAGAGG 347
Db 1896 CCAGCGGAGATTGTGCCACTGCACCTCCAGCTGGCGGATAAAGCGAGACTCTCTCAG 1955

QY 348 AAATCTCCGCTCTCAAAAAAAGAAAAAGAAAAAGAAAAATTTAGCCAGCGTGGCGCATGC 401
Db 1956 AAAAAAAGAAAAAGAAAAAGAAAAAGAAAAATTTAGCCAGCGTGGCGCATGC 2015

QY 402 -CCTGTAGTCCCGACTACTTTGGGAGCGAGGGGTCCACT-----TGATGTC 446
Db 2016 ACCTGTAGTCTAGTACTTTGGGAGCGCTGAGGCACAGAAATCACTTGTGAGTCA 2075

QY 447 GAGACTCAGTGGCCATGATCTGCCACTGCACCTCGGCTGGGCAACAGAGTGAAGC 506
Db 2076 GAGATTGAGTGGCCGAGATCAGCTGCTGCACTCCAGCTGGGTGACAGCAGACT 2135

QY 507 CTGTCTAAAAAAGAAAAAATTAAGCAACATATCTCTGAACAAAGGATCCCTCA 559
Db 2136 CTGTCTAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAA 2188

RESULT 10
US-09-764-891-10204
; Sequence 10204, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10204
; LENGTH: 13862
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-10204

Query Match      14.4%; Score 242.2; DB 9; Length 13862;
Best Local Similarity 68.3%; Pred. No. 7.1e-60;
Matches 405; Conservative 3; Mismatches 151; Indels 34; Gaps 4;

QY 1 GAATTCAGACACCGCTGGACAACTTGGAAAGAACCCGGTCTCTACAAAAATACAAAT 60
Db 1596 GAGTTTGAGACACCGCTGGCCACATGCGGAAACCCCATCTCTACTAAAAATACAAAGT 1655

QY 61 AGCTGGGATTGGGTGC-----GGTGGCTCATGCCCTATATATCCAGCAGCTTTGGGA 110
Db 1656 TAGCCAGCATGGCCGGGCATGCTGGGTGGCTCATGCCCTGTATATCCAGCAGCTTTGGGA 1715

QY 111 GCCTGAGGTGGGTGGATCAGCTGAGAGTCAGAGTTCAAGACTAGCCTGGCCACACATGGTG 170
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; LENGTH: 5881
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5477

Query Match      14.4%; Score 242.2; DB 9; Length 13862;
Best Local Similarity 68.3%; Pred. No. 7.1e-60;
Matches 405; Conservative 3; Mismatches 151; Indels 34; Gaps 4;

QY 1 GAATTCAGACACCGCTGGACAACTTGGAAAGAACCCGGTCTCTACAAAAATACAAAT 60
Db 1276 GAGTTTGAGACACCGCTGGCCACATGAGTGAACCCCTGTCTACTAAAAATACAAAT 1335

QY 60 TAGCTGGGATT-----GGGTGGCTGAGTCAATCCCTATATATCCAGCAGCTTTGGGACCT 114
Db 1336 TAGCTGGGATTGAGCGGGTGGCTGAGTCAATCCCTATATATCCAGCAGCTTTGGGAGCT 1395

QY 115 GAGGTGGGTGGATCAGCTGAGAGTCAAGACTAGCCTGGCCACACATGGTGAAC 174
Db 1396 GAGGTGGGTAGATTGCTGAGCTCAGGAGTTCGAGACCGCCTGGGCAACATGTTGAAC 1455

QY 175 CCTATCTCTACTGAAA---ATATATAAAGCTAGAGTGGTGGCACACACCTGTAAATCCCA 231
Db 1456 CCTGTCTCTACTAAAAATACAAAAATTAGTGGGCATGTTGGGCTGCACCTGTGATCCCA 1515

QY 232 GCTACTTAGGAGCTGAGGAGGAGAAATGCTTTGAAGCCCTAGAGGTGAAGTTGATGTA 291
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QY 292 GCCGAGATTGCAATTTGCACAAATGAGGGGAGCCACAGCCTGGGCAACAGAGGAAAT 351
Db 1576 GCCGAGATTGCACAGTGCA-----CTCCAGCCTGGGCGAC-AGAGTGAGA 1620

QY 352 CTCGCTGCTCAAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 411
Db 1621 CTCCTACTCAAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 1680

QY 412 CAGCTACTTGGGAGCGAGGGGTCCA-----CTTGTATGTCGAGACTGCAGT 457
Db 1681 CAGCTACTCGGAGGCTGAGCAGGAGAAATGCTTTAAACCCAGGAGTGGAGTTGCGAGT 1740

QY 458 GAGCCATGATCTGCCACTGCACCTCCGGCTGGGCAACAGAGTGAAGCCCTGTCTAAGA 517
Db 1741 GAGCCAAAGATCAGCCATTCACCTCCAGCCTGGGTGACAGAGTCAAGCTCAAAA 1800

QY 518 AAAAAAATAAGACACATATC 540
Db 1801 AAAAAATATATATATATTTAA 1823

RESULT 9
US-09-764-891-5477
; Sequence 5477, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5477
; LENGTH: 13862
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5477
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Db 11371 GCATCTTCGTGCCACTGCCACTCCAGTGTGGTAAACAGAGTGAGACCTCGTCTCAAAAA 11312

Qy 520 AAAAAAATAAGCAACA 536  
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Db 11311 AAAAAAAAAAAAAAAAAAAAA 11295

## RESULT 15

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US-10-091-504-2209
; Sequence 2209, Application US/10091504
; Publication No. US2003005908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2209
; LENGTH: 32190
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-2209

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QY	9415	AA----	GGCGGGCAGAGTATACAGCCTGTAAATCCCAAGCACTTTTGGGAGGCGCGAGGTG	9470	
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QY	121	GGTGGATCACT	GAAGTCAGGAGTTTCAAGACTAGCCTGGCCAAACATGGTGAACACCTATC	180	
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QY	9471	GGTGGATCACT	CTGAGTTTGTGAGTTTCAGACCAAGCCTGACCAACATGGAGAAACCTTCATC	9530	
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QY	181	TTCTACTG	AAATATAYAAA--AAGCTAGACCTGGTGGCAGACACCTGTAAATCCCAAGCTACTT	238	
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QY	9531	TTCTACT	AAAATATACAGATTACCAGCGCTGGTGGTGCATGCTGTAAATCCCAAGCTACTC	9590	
Db					
QY	239	AGGAGCTGAGC	AGAGAAATTTGCTTGAAGCCTTAGAGTGAAGTTGTAGTGAGCCGAGA	298	
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QY	9591	GGGAGCTGAGC	AGGAGAAATCGCTTGAACCTTGGAGGAGAGACTGCAAGTGAGCCGAGA	9650	
Db					
QY	299	TTTGCATCAT	TGCACAAATGGAGGGAGCCACCAAGCCTGGGCAACAAGAGGAAATCTCCGTC	358	
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QY	9651	TCGCACCAAT	TGCA-----CTCCAGCCTGGGTAAACAGGGAAATCCCATCTC	9696	
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QY	359	TCCAAAAA	AAAAAAAAAAAAAAAAAGRAATTAGCTGGGTGGTGGCTGTAGTCCCAAGCTAC	418	
Db					
QY	9697	CAAGAAAA	AAAAAAAAAAAAAGCCAGACATGGTAGTGA-TGCCCTGTAGTCCCAAGCTAC	9755	
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QY	419	TTTGGGAGC	GAGGGG-----GTCCACTTGATCTCGAGACTGCAGTGAGGCATG	465	
Db					
QY	9756	TTGGGAGGCT	GAGGTGAGGATCACTTGAGCCAGGAGTTAGAGCTGCAGTGAGCCATT	9815	
Db					
QY	466	ATCCTGCCAC	TGCATCCGGCCTGGGCAACACAGTGAGACCTGTGTCTAAAGAAAAAATAA	525	
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QY	9816	ATTATGTCACT	GCATACAGCCT-CGTGACAGGCGAGACCCGTGCTTCAAGAAAAAATAA	9874	
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OM nucleic - nucleic search, using sw model

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Searched: 441362 seqs, 153338381 residues

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Database : Issued\_Patents\_NA.\*

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	61	3.6	1566	2	Sequence 13, Appl
3	61	3.6	1566	2	Sequence 22, Appl
4	61	3.6	1568	2	Sequence 20, Appl
5	61	3.6	1571	2	Sequence 21, Appl
6	42	2.5	84495	4	Sequence 3, Appl
7	41	2.4	2115	1	Sequence 7, Appl
8	41	2.4	3715	4	Sequence 44, Appl
9	41	2.4	111282	4	Sequence 3, Appl
10	38	2.3	11298	1	Sequence 31, Appl
11	38	2.3	11298	1	Sequence 2, Appl
12	38	2.3	11298	1	Sequence 31, Appl
13	38	2.3	112132	4	Sequence 3, Appl
14	37	2.2	7210	2	Sequence 10, Appl
15	37	2.2	7210	4	Sequence 10, Appl
16	37	2.2	7210	5	Sequence 10, Appl
17	37	2.2	14581	4	Sequence 4, Appl
18	37	2.2	22481	4	Sequence 43, Appl
19	37	2.2	22481	5	Sequence 43, Appl
20	37	2.2	22484	4	Sequence 2, Appl
21	37	2.2	80246	4	Sequence 4, Appl
22	37	2.2	80595	4	Sequence 3, Appl
23	37	2.2	162450	4	Sequence 1, Appl
24	36	2.1	152331	3	Sequence 16, Appl
25	36	2.1	168575	4	Sequence 1, Appl
26	35	2.1	6235	4	Sequence 5, Appl
27	35	2.1	6679	4	Sequence 1, Appl

28	35	2.1	13953	4	US-09-738-884-3	Sequence 3, Appl
29	35	2.1	29629	4	US-09-729-995-3	Sequence 3, Appl
30	35	2.1	43950	4	US-09-735-934A-3	Sequence 3, Appl
31	35	2.1	81001	4	US-09-750-580-1	Sequence 1, Appl
32	35	2.1	99500	4	US-09-798-096-10	Sequence 10, Appl
33	34	2.0	2834	4	US-09-305-384-6	Sequence 6, Appl
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35	34	2.0	3468	4	US-09-632-098-3	Sequence 3, Appl
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37	34	2.0	5789	4	US-09-242-948-3	Sequence 3, Appl
38	34	2.0	11464	3	US-08-884-324-13	Sequence 13, Appl
39	34	2.0	17949	4	US-09-087-465-3	Sequence 3, Appl
40	34	2.0	28994	3	US-08-884-324-14	Sequence 14, Appl
41	34	2.0	59065	4	US-09-813-817-3	Sequence 3, Appl
42	34	2.0	59065	4	US-09-978-197-3	Sequence 3, Appl
43	34	2.0	162450	4	US-09-345-882-1	Sequence 1, Appl
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46	32	1.9	548	4	US-09-598-326-15	Sequence 15, Appl
47	32	1.9	2000	3	US-09-039-555B-19	Sequence 19, Appl
48	32	1.9	70000	4	US-09-851-896-3	Sequence 3, Appl
49	32	1.9	176373	3	US-09-128-155-17	Sequence 17, Appl
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52	31	1.8	9365	4	US-09-608-285A-8	Sequence 8, Appl
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54	31	1.8	9365	4	US-09-370-265-8	Sequence 8, Appl
55	31	1.8	12597	4	US-09-705-299-12	Sequence 12, Appl
56	31	1.8	13953	4	US-09-738-884-3	Sequence 3, Appl
57	31	1.8	14747	4	US-09-608-285A-42	Sequence 42, Appl
58	31	1.8	15977	4	US-09-608-285A-59	Sequence 59, Appl
59	31	1.8	35060	3	US-08-814-095-7	Sequence 7, Appl
60	31	1.8	70000	4	US-09-851-896-3	Sequence 3, Appl
61	31	1.8	87350	3	US-08-781-891-79	Sequence 79, Appl
62	31	1.8	87543	4	US-09-791-211-3	Sequence 3, Appl
63	31	1.8	112132	4	US-09-741-150-3	Sequence 3, Appl
64	30	1.8	752	4	US-09-288-143-63	Sequence 63, Appl
65	30	1.8	1000	4	US-09-018-584A-32	Sequence 32, Appl
66	30	1.8	1542	4	US-09-008-271A-13	Sequence 13, Appl
67	30	1.8	1569	2	US-08-145-658D-23	Sequence 23, Appl
68	30	1.8	2099	4	US-08-938-669A-5	Sequence 5, Appl
69	30	1.8	4136	4	US-09-103-875-2	Sequence 2, Appl
70	30	1.8	5581	4	US-08-973-544-1	Sequence 1, Appl
71	30	1.8	6083	1	US-08-195-744-4	Sequence 4, Appl
72	30	1.8	6083	2	US-08-788-279-4	Sequence 4, Appl
73	30	1.8	7505	4	US-09-078-294-13	Sequence 13, Appl
74	30	1.8	12597	4	US-09-705-299-12	Sequence 12, Appl
75	30	1.8	13187	4	US-09-422-936-61	Sequence 61, Appl
76	30	1.8	15602	4	US-09-844-634-17	Sequence 17, Appl
77	30	1.8	38844	4	US-09-734-675-3	Sequence 3, Appl
78	30	1.8	43950	4	US-09-735-934A-3	Sequence 3, Appl
79	30	1.8	84495	4	US-09-797-906-3	Sequence 3, Appl
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82	29	1.7	850	1	US-08-192-156-2	Sequence 2, Appl
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84	29	1.7	940	4	US-09-659-791A-11	Sequence 11, Appl
85	29	1.7	998	4	US-09-227-357-62	Sequence 62, Appl
86	29	1.7	1014	4	US-09-257-179-31	Sequence 31, Appl
87	29	1.7	1053	4	US-09-257-179-31	Sequence 31, Appl
88	29	1.7	1200	4	US-09-018-584A-37	Sequence 37, Appl
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90	29	1.7	1804	1	US-08-306-691B-40	Sequence 40, Appl
91	29	1.7	1804	4	US-09-167-322-14	Sequence 14, Appl
92	29	1.7	1804	5	PCT-US93-06251-82	Sequence 82, Appl
93	29	1.7	2329	4	US-08-927-219-80	Sequence 80, Appl
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c 102	29	1.7	4460	4	US-09-103-875-4	Sequence 7, Appl	175	28	1.7	5761	2	US-08-464-023A-2	Sequence 2, Appl
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c 104	29	1.7	7676	2	US-08-451-778A-7	Sequence 7, Appl	c 177	28	1.7	7042	4	US-09-092-508-1	Sequence 1, Appl
c 105	29	1.7	7676	2	US-08-998-208-7	Sequence 7, Appl	c 178	28	1.7	7042	4	US-09-435-115-1	Sequence 1, Appl
c 106	29	1.7	7676	5	PCT-US95-06743-7	Sequence 7, Appl	c 179	28	1.7	7042	4	US-09-098-310-1	Sequence 1, Appl
c 107	29	1.7	8758	4	US-09-793-345-3	Sequence 3, Appl	c 180	28	1.7	7042	4	US-09-092-508-15	Sequence 15, Appl
c 108	29	1.7	9301	4	US-09-449-218D-18	Sequence 18, Appl	c 181	28	1.7	7075	4	US-09-690-364-21	Sequence 21, Appl
c 109	29	1.7	13674	2	US-07-852-807-1	Sequence 1, Appl	c 182	28	1.7	7075	4	US-09-435-115-15	Sequence 15, Appl
c 110	29	1.7	17327	1	US-07-906-871-15	Sequence 15, Appl	c 183	28	1.7	8133	4	US-09-659-731A-10	Sequence 10, Appl
c 111	29	1.7	17327	1	US-07-906-871-15	Sequence 15, Appl	c 184	28	1.7	11811	4	US-09-078-294-7	Sequence 7, Appl
c 112	29	1.7	36159	4	US-09-743-588-3	Sequence 3, Appl	c 185	28	1.7	13875	2	US-08-734-344-1	Sequence 1, Appl
c 113	29	1.7	36651	4	US-09-738-894A-3	Sequence 3, Appl	c 186	28	1.7	16389	4	US-08-741-154-3	Sequence 3, Appl
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c 115	29	1.7	50000	4	US-09-146-053-4	Sequence 4, Appl	c 188	28	1.7	18073	4	US-09-078-294-12	Sequence 12, Appl
c 116	29	1.7	62804	4	US-09-800-960-3	Sequence 3, Appl	c 189	28	1.7	20303	1	US-08-370-975B-6	Sequence 6, Appl
c 117	29	1.7	65042	4	US-09-784-316-3	Sequence 3, Appl	c 190	28	1.7	20674	4	US-09-641-638-651	Sequence 651, App
c 118	29	1.7	72928	3	US-09-009-913-1	Sequence 1, Appl	c 191	28	1.7	23071	4	US-09-262-773-210	Sequence 210, App
c 119	29	1.7	98844	4	US-09-791-211-10	Sequence 10, Appl	c 192	28	1.7	26764	1	US-08-370-975B-1	Sequence 1, Appl
c 120	29	1.7	99500	4	US-09-798-096-10	Sequence 10, Appl	c 193	28	1.7	36741	4	US-09-301-665-3	Sequence 3, Appl
c 121	29	1.7	152331	3	US-09-128-155-16	Sequence 16, Appl	c 194	28	1.7	40000	4	US-09-780-049-18	Sequence 18, Appl
c 122	29	1.7	169998	4	US-09-676-610B-24	Sequence 24, Appl	c 195	28	1.7	42571	4	US-09-810-347-3	Sequence 3, Appl
c 123	29	1.7	176373	3	US-09-128-155-17	Sequence 17, Appl	c 196	28	1.7	45546	4	US-09-146-053-6	Sequence 6, Appl
c 124	29	1.7	246240	2	US-08-724-394A-20	Sequence 20, Appl	c 197	28	1.7	45716	4	US-08-965-048-5	Sequence 5, Appl
c 125	29	1.7	246240	2	US-08-724-394A-20	Sequence 20, Appl	c 198	28	1.7	45989	4	US-08-965-048-6	Sequence 6, Appl
c 126	29	1.7	246240	2	US-08-724-394A-21	Sequence 21, Appl	c 199	28	1.7	50000	4	US-09-146-053-3	Sequence 3, Appl
c 127	29	1.7	246240	2	US-08-724-394A-21	Sequence 21, Appl	c 200	28	1.7	55827	4	US-09-813-133A-3	Sequence 3, Appl
c 128	29	1.7	246240	2	US-08-724-394A-22	Sequence 22, Appl	c 201	28	1.7	72604	4	US-09-268-992-7	Sequence 7, Appl
c 129	29	1.7	246240	2	US-08-724-394A-22	Sequence 22, Appl	c 202	28	1.7	72604	4	US-09-657-474-7	Sequence 7, Appl
c 130	28	1.7	280	2	US-08-849-701-7	Sequence 7, Appl	c 203	28	1.7	80246	4	US-09-078-294-4	Sequence 4, Appl
c 131	28	1.7	336	4	US-09-385-982-17	Sequence 17, Appl	c 204	28	1.7	80595	4	US-09-078-294-3	Sequence 3, Appl
c 132	28	1.7	489	4	US-09-370-838-109	Sequence 109, App	c 205	28	1.7	87350	3	US-08-781-891-79	Sequence 79, Appl
c 133	28	1.7	594	4	US-09-280-116-240	Sequence 240, App	c 206	28	1.7	87543	4	US-09-791-211-3	Sequence 3, Appl
c 134	28	1.7	652	4	US-09-328-111-717	Sequence 717, App	c 207	28	1.7	98844	4	US-09-791-211-10	Sequence 10, Appl
c 135	28	1.7	719	4	US-09-227-357-74	Sequence 74, Appl	c 208	27	1.6	201	2	US-08-849-701-5	Sequence 5, Appl
c 136	28	1.7	837	1	US-08-832-883-56	Sequence 56, Appl	c 209	27	1.6	218	1	US-08-686-878A-15	Sequence 15, Appl
c 137	28	1.7	837	1	US-08-832-883-56	Sequence 56, Appl	c 210	27	1.6	308	4	US-09-222-575-88	Sequence 88, Appl
c 138	28	1.7	1001	4	US-09-641-638-98	Sequence 98, Appl	c 211	27	1.6	320	1	US-08-629-939-5	Sequence 5, Appl
c 139	28	1.7	1002	4	US-09-641-638-98	Sequence 98, Appl	c 212	27	1.6	320	1	US-08-759-873-5	Sequence 5, Appl
c 140	28	1.7	1253	2	US-08-591-629-1	Sequence 1, Appl	c 213	27	1.6	345	4	US-08-991-789A-214	Sequence 214, App
c 141	28	1.7	1260	4	US-08-943-731-169	Sequence 169, App	c 214	27	1.6	345	4	US-09-062-451-214	Sequence 214, App
c 142	28	1.7	1459	4	US-09-020-956-174	Sequence 174, App	c 215	27	1.6	345	4	US-09-598-326-214	Sequence 214, App
c 143	28	1.7	1459	4	US-09-030-607-174	Sequence 174, App	c 216	27	1.6	452	4	US-09-337-787-237	Sequence 237, App
c 144	28	1.7	1459	4	US-09-605-785-174	Sequence 174, App	c 217	27	1.6	550	4	US-08-998-416-148	Sequence 148, App
c 145	28	1.7	1459	4	US-09-439-313-174	Sequence 174, App	c 218	27	1.6	651	4	US-09-257-179-12	Sequence 12, Appl
c 146	28	1.7	1459	4	US-09-352-616A-174	Sequence 174, App	c 219	27	1.6	728	4	US-09-404-879A-16	Sequence 16, Appl
c 147	28	1.7	1459	4	US-09-232-149A-174	Sequence 174, App	c 220	27	1.6	821	4	US-09-342-681C-7	Sequence 7, Appl
c 148	28	1.7	1630	4	US-09-175-928-17	Sequence 17, Appl	c 221	27	1.6	856	4	US-09-288-143-47	Sequence 47, Appl
c 149	28	1.7	1808	1	US-08-351-149-4	Sequence 4, Appl	c 222	27	1.6	859	4	US-09-535-008-58	Sequence 58, Appl
c 150	28	1.7	1808	1	US-08-384-828-4	Sequence 4, Appl	c 223	27	1.6	940	4	US-09-069-023-9	Sequence 9, Appl
c 151	28	1.7	1808	3	US-08-895-474-4	Sequence 4, Appl	c 224	27	1.6	1001	4	US-09-641-638-121	Sequence 121, App
c 152	28	1.7	1856	1	US-08-137-171-3	Sequence 3, Appl	c 225	27	1.6	1001	4	US-09-641-638-448	Sequence 448, App
c 153	28	1.7	1856	4	US-09-050-159-128	Sequence 128, App	c 226	27	1.6	1037	4	US-09-257-179-16	Sequence 16, Appl
c 154	28	1.7	2238	1	US-08-742-011-1	Sequence 1, Appl	c 227	27	1.6	1050	3	US-08-755-587-21	Sequence 21, Appl
c 155	28	1.7	2245	6	5463025-3	Patent No. 5463025	c 228	27	1.6	1260	1	US-08-599-252-83	Sequence 83, Appl
c 156	28	1.7	2336	1	US-08-247-946A-1	Sequence 1, Appl	c 229	27	1.6	1260	1	US-08-436-074-56	Sequence 56, Appl
c 157	28	1.7	2336	5	PCT-US95-06420-1	Sequence 1, Appl	c 230	27	1.6	1260	5	PCT-US96-06583-83	Sequence 83, Appl
c 158	28	1.7	2448	2	US-08-687-080-111	Sequence 111, App	c 231	27	1.6	1607	4	US-09-091-097-9	Sequence 9, Appl
c 159	28	1.7	2713	2	US-08-916-901-6	Sequence 6, Appl	c 232	27	1.6	1607	4	US-09-443-184-35	Sequence 35, Appl
c 160	28	1.7	2713	4	US-09-154-602-6	Sequence 6, Appl	c 233	27	1.6	1762	4	US-09-031-392-1	Sequence 1, Appl
c 161	28	1.7	2900	3	US-09-038-832-1	Sequence 1, Appl	c 234	27	1.6	2343	2	US-09-299-549-1	Sequence 1, Appl
c 162	28	1.7	2933	4	US-09-262-773-209	Sequence 209, App	c 235	27	1.6	2343	3	US-09-610-417-1	Sequence 1, Appl
c 163	28	1.7	3607	2	US-08-629-001A-8	Sequence 8, Appl	c 236	27	1.6	2415	3	US-09-019-689-1	Sequence 1, Appl
c 164	28	1.7	3607	4	US-08-642-274D-8	Sequence 8, Appl	c 237	27	1.6	2415	3	US-09-285-379-1	Sequence 1, Appl
c 165	28	1.7	3607	4	US-08-952-127-8	Sequence 8, Appl	c 238	27	1.6	2415	3	US-09-089-534-638-3	Sequence 3, Appl
c 166	28	1.7	3607	4	US-08-952-014C-8	Sequence 8, Appl	c 239	27	1.6	2480	2	US-09-534-638-3	Sequence 3, Appl
c 167	28	1.7	3609	4	US-09-705-299-11	Sequence 11, Appl	c 240	27	1.6	2861	2	US-08-770-301A-12	Sequence 12, Appl
c 168	28	1.7	3885	1	US-08-688-145-1	Sequence 1, Appl	c 241	27	1.6	2861	3	US-09-175-581-12	Sequence 12, Appl
c 169	28	1.7	4285	4	US-09-040-774-1	Sequence 1, Appl	c 242	27	1.6	3011	1	US-07-821-716-1	Sequence 1, Appl
c 170	28	1.7	5543	2	US-08-687-080-101	Sequence 101, App	c 243	27	1.6	3366	1	US-08-469-802B-1	Sequence 1, Appl
c 171	28	1.7	5615	4	US-09-302-769-47	Sequence 47, Appl	c 244	27	1.6	3366	2	US-08-267-803B-1	Sequence 1, Appl
c 172	28	1.7	5615	1	US-07-749-001-2	Sequence 2, Appl	c 245	27	1.6	3742	1	US-08-694-915-5	Sequence 5, Appl
c 173	28	1.7	5761	1	US-08-154-198-2	Sequence 2, Appl	c 246	27	1.6	4668	4	US-09-045-301-1	Sequence 1, Appl

247	27	1.6	5141	1	US-08-337-690A-1	Sequence 1, Appl1	320	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
248	27	1.6	5141	4	US-09-048-887-1	Sequence 1, Appl1	321	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
249	27	1.6	6769	1	US-08-480-784-20	Sequence 20, Appl	c 322	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
250	27	1.6	6769	1	US-08-483-553-20	Sequence 20, Appl	c 323	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
251	27	1.6	6769	1	US-08-487-003-20	Sequence 20, Appl	c 324	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
252	27	1.6	6769	1	US-08-483-554B-20	Sequence 20, Appl	c 325	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
253	27	1.6	6769	1	US-08-488-011B-20	Sequence 20, Appl	c 326	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
254	27	1.6	6769	4	US-08-850-727-20	Sequence 20, Appl	c 327	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
255	27	1.6	6769	5	PCT-US95-10202-20	Sequence 20, Appl	c 328	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
256	27	1.6	6769	5	PCT-US95-10203-20	Sequence 20, Appl	c 329	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
257	27	1.6	6769	5	PCT-US95-10220-20	Sequence 20, Appl	c 330	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
258	27	1.6	7452	3	US-08-592-500-1	Sequence 1, Appl1	331	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
259	27	1.6	7452	3	US-08-195-006-1	Sequence 1, Appl1	332	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
260	27	1.6	7452	5	PCT-US94-07644A-1	Sequence 1, Appl1	333	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
261	27	1.6	13158	2	US-08-687-080-105	Sequence 105, App	c 334	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
262	27	1.6	13158	2	US-08-687-080-105	Sequence 105, App	c 335	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
263	27	1.6	14636	4	US-09-173-914-6	Sequence 6, Appl1	c 336	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
264	27	1.6	14796	4	US-08-975-080-35	Sequence 35, Appl	337	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
265	27	1.6	14796	4	US-09-630-706-10	Sequence 10, Appl	338	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
266	27	1.6	14796	4	US-09-496-694B-3	Sequence 3, Appl1	c 339	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
267	27	1.6	16063	4	US-09-801-053-3	Sequence 3, Appl1	c 340	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
268	27	1.6	16389	4	US-09-741-154-3	Sequence 3, Appl1	c 341	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
269	27	1.6	18073	4	US-09-078-294-12	Sequence 12, Appl	c 342	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
270	27	1.6	18443	4	US-09-078-294-6	Sequence 6, Appl1	c 343	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
271	27	1.6	19736	4	US-09-740-035-3	Sequence 3, Appl1	c 344	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
272	27	1.6	22846	2	US-08-469-463-3	Sequence 3, Appl1	c 345	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
273	27	1.6	22846	3	US-07-890-609-3	Sequence 3, Appl1	c 346	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
274	27	1.6	36159	4	US-09-749-588-3	Sequence 3, Appl1	c 347	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
275	27	1.6	38564	4	US-09-734-673-3	Sequence 3, Appl1	c 348	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
276	27	1.6	42791	3	US-08-810-347-3	Sequence 3, Appl1	c 349	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
277	27	1.6	43795	3	US-08-742-185-101	Sequence 101, App	350	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
278	27	1.6	45927	4	US-09-813-133A-3	Sequence 3, Appl1	351	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
279	27	1.6	59827	4	US-09-800-960-3	Sequence 3, Appl1	352	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
280	27	1.6	62804	4	US-09-784-318-3	Sequence 3, Appl1	353	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
281	26	1.5	65042	56	US-08-776-944-9	Sequence 9, Appl1	354	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
282	26	1.5	112	2	US-08-454-557C-27	Sequence 27, Appl	355	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
283	26	1.5	112	2	US-08-340-426D-27	Sequence 27, Appl	356	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
284	26	1.5	112	2	US-08-450-673C-27	Sequence 27, Appl	357	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
285	26	1.5	112	5	PCT-US95-17111A-27	Sequence 27, Appl	c 358	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
285	26	1.5	322	4	US-09-385-982-216	Sequence 216, App	c 359	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
286	26	1.5	322	4	US-09-385-982-362	Sequence 362, App	c 360	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
288	26	1.5	377	2	US-08-454-557C-37	Sequence 37, Appl	c 361	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
289	26	1.5	377	2	US-08-340-426D-37	Sequence 37, Appl	c 362	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
290	26	1.5	377	2	US-08-450-673C-37	Sequence 37, Appl	c 363	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
291	26	1.5	377	5	PCT-US95-17111A-37	Sequence 37, Appl	c 364	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
292	26	1.5	382	4	US-09-438-906-23	Sequence 23, Appl	c 365	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
293	26	1.5	403	4	US-09-385-982-29	Sequence 29, Appl	c 366	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
294	26	1.5	421	2	US-08-332-766A-25	Sequence 25, Appl	c 367	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
295	26	1.5	603	2	US-08-924-838-6	Sequence 6, Appl1	c 368	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
296	26	1.5	619	4	US-09-152-060-17	Sequence 17, Appl	c 369	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
297	26	1.5	624	4	US-09-385-982-359	Sequence 359, App	c 370	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
298	26	1.5	685	4	US-09-227-357-100	Sequence 100, App	c 371	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
299	26	1.5	764	4	US-09-288-143-57	Sequence 57, Appl	372	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
300	26	1.5	774	3	US-08-755-587-20	Sequence 20, Appl	c 373	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
301	26	1.5	826	1	US-08-698-551-3	Sequence 3, Appl1	c 374	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
302	26	1.5	826	2	US-08-602-228-3	Sequence 3, Appl1	375	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
303	26	1.5	826	2	US-08-649-341A-3	Sequence 3, Appl1	c 376	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
304	26	1.5	826	2	US-08-494-408B-3	Sequence 3, Appl1	377	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
305	26	1.5	826	2	US-08-533-901B-3	Sequence 3, Appl1	c 378	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
306	26	1.5	826	2	US-08-839-032A-3	Sequence 3, Appl1	379	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
307	26	1.5	826	2	US-08-839-031A-3	Sequence 3, Appl1	c 380	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
308	26	1.5	826	4	US-09-185-258C-3	Sequence 3, Appl1	c 381	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
309	26	1.5	826	5	PCT-US95-12724-3	Sequence 3, Appl1	c 382	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
310	26	1.5	1040	1	US-08-276-452A-91	Sequence 91, Appl	383	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
311	26	1.5	1040	2	US-08-798-744-91	Sequence 91, Appl	c 384	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
312	26	1.5	1078	4	US-09-452-239-41	Sequence 41, Appl	c 385	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
313	26	1.5	1132	3	US-08-651-136C-21	Sequence 21, Appl	c 386	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
314	26	1.5	1132	3	US-09-229-911A-21	Sequence 21, Appl	c 387	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
315	26	1.5	1371	3	US-08-884-324-11	Sequence 11, Appl	c 388	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
316	26	1.5	1480	2	US-08-454-557C-38	Sequence 38, Appl	c 389	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
317	26	1.5	1480	2	US-08-340-426D-38	Sequence 38, Appl	c 390	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
318	26	1.5	1480	2	US-08-450-673C-38	Sequence 38, Appl	c 391	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl
319	26	1.5	1480	5	PCT-US95-17111A-38	Sequence 38, Appl	c 392	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl

c 393	25	1.5	294	2	US-08-485-862B-61	Sequence 61, Appl	466	25	1.5	1270	5	PCT-US94-11121-23	Sequence 23, Appl
c 394	25	1.5	294	3	US-08-787-739-61	Sequence 61, Appl	467	25	1.5	1287	4	US-09-564-805-217	Sequence 217, App
c 395	25	1.5	294	3	US-08-487-077A-61	Sequence 61, Appl	468	25	1.5	1320	2	US-08-695-412B-13	Sequence 13, Appl
c 396	25	1.5	294	3	US-08-485-863A-61	Sequence 61, Appl	469	25	1.5	1320	4	US-08-255-154D-13	Sequence 13, Appl
c 397	25	1.5	294	4	US-08-485-049D-61	Sequence 61, Appl	470	25	1.5	1355	4	US-08-370-838-31	Sequence 31, Appl
c 398	25	1.5	294	4	US-08-178-115-61	Sequence 61, Appl	c 471	25	1.5	1401	2	US-08-481-658B-49	Sequence 49, Appl
c 399	25	1.5	294	4	US-08-177-776-61	Sequence 61, Appl	c 472	25	1.5	1401	2	US-08-477-504A-49	Sequence 49, Appl
c 400	25	1.5	328	4	US-08-605-785-418	Sequence 418, App	c 473	25	1.5	1401	2	US-08-486-756A-49	Sequence 49, Appl
c 401	25	1.5	328	4	US-08-439-313-418	Sequence 418, App	c 474	25	1.5	1401	2	US-08-485-862B-49	Sequence 49, Appl
c 402	25	1.5	328	4	US-08-352-616A-418	Sequence 418, App	c 475	25	1.5	1401	3	US-08-787-739-49	Sequence 49, Appl
c 403	25	1.5	374	4	US-08-385-982-135	Sequence 135, App	c 476	25	1.5	1401	3	US-08-487-077A-49	Sequence 49, Appl
c 404	25	1.5	425	2	US-08-967-101-102	Sequence 102, App	c 477	25	1.5	1401	3	US-08-485-863A-49	Sequence 49, Appl
c 405	25	1.5	425	2	US-08-52-541-102	Sequence 102, App	c 478	25	1.5	1401	4	US-08-485-049D-49	Sequence 49, Appl
c 406	25	1.5	425	3	US-08-124-698-102	Sequence 102, App	c 479	25	1.5	1401	4	US-08-178-115-49	Sequence 49, Appl
c 407	25	1.5	425	4	US-08-127-480-102	Sequence 102, App	c 480	25	1.5	1401	4	US-08-177-776-49	Sequence 49, Appl
c 408	25	1.5	425	4	US-08-496-841C-102	Sequence 102, App	c 481	25	1.5	1460	4	US-08-257-179-23	Sequence 23, Appl
c 409	25	1.5	425	4	US-08-124-523-102	Sequence 102, App	c 482	25	1.5	1493	1	US-08-340-820-24	Sequence 24, Appl
c 410	25	1.5	479	4	US-08-328-111-432	Sequence 432, App	c 483	25	1.5	1493	1	US-08-593-535-24	Sequence 24, Appl
c 411	25	1.5	500	2	US-08-475-844-18	Sequence 18, Appl	c 484	25	1.5	1525	1	US-08-186-833-3	Sequence 3, Appl
c 412	25	1.5	500	5	PCT-US95-08429-18	Sequence 18, Appl	c 485	25	1.5	1525	1	US-08-609-572-1	Sequence 1, Appl
c 413	25	1.5	506	4	US-08-149-476-252	Sequence 252, App	c 486	25	1.5	1525	4	US-08-841-751-1	Sequence 1, Appl
c 414	25	1.5	535	4	US-08-385-982-385	Sequence 385, App	c 487	25	1.5	1525	4	US-08-846-340-1	Sequence 1, Appl
c 415	25	1.5	580	2	US-08-809-763-2	Sequence 2, Appl	c 488	25	1.5	1525	4	US-08-846-344-1	Sequence 1, Appl
c 416	25	1.5	580	3	US-08-956-253-2	Sequence 2, Appl	c 489	25	1.5	1776	2	US-08-531-827B-1	Sequence 1, Appl
c 417	25	1.5	608	4	US-08-385-982-523	Sequence 523, App	c 490	25	1.5	1776	4	US-09-041-886-12	Sequence 12, Appl
c 418	25	1.5	609	4	US-08-385-982-291	Sequence 291, App	c 491	25	1.5	1865	4	US-09-370-253-5	Sequence 5, Appl
c 419	25	1.5	613	4	US-08-385-982-144	Sequence 144, App	c 492	25	1.5	1872	4	US-09-291-922-27	Sequence 27, Appl
c 420	25	1.5	622	4	US-08-385-982-312	Sequence 312, App	c 493	25	1.5	1876	4	US-09-469-242-3	Sequence 3, Appl
c 421	25	1.5	630	4	US-08-342-681C-5	Sequence 5, Appl	c 494	25	1.5	1901	5	PCT-US93-05000-32	Sequence 32, Appl
c 422	25	1.5	632	4	US-08-328-111-798	Sequence 798, App	c 495	25	1.5	2022	2	US-08-464-517-32	Sequence 32, Appl
c 423	25	1.5	655	4	US-08-288-143-20	Sequence 20, Appl	c 496	25	1.5	2022	2	US-08-246-661A-32	Sequence 32, Appl
c 424	25	1.5	658	4	US-08-328-111-816	Sequence 816, App	c 497	25	1.5	2022	3	US-08-463-772-32	Sequence 32, Appl
c 425	25	1.5	669	4	US-08-328-111-816	Sequence 782, App	c 498	25	1.5	2024	4	US-09-149-476-83	Sequence 83, Appl
c 426	25	1.5	685	4	US-09-227-357-762	Sequence 66, Appl	c 499	25	1.5	2032	4	US-09-500-063-1	Sequence 1, Appl
c 427	25	1.5	688	6	5498694-3	Patent No. 5498694	500	25	1.5	2045	4	US-09-152-060-22	Sequence 22, Appl
c 428	25	1.5	704	4	US-08-896-164-49	Sequence 49, Appl	501	25	1.5	2174	4	US-09-613-444-1	Sequence 1, Appl
c 429	25	1.5	735	3	US-08-950-720A-5	Sequence 5, Appl	502	25	1.5	2214	4	US-08-643-731-57	Sequence 57, Appl
c 430	25	1.5	807	2	US-08-531-827B-9	Sequence 9, Appl	503	25	1.5	2232	4	US-09-212-609B-19	Sequence 19, Appl
c 431	25	1.5	926	4	US-08-938-669A-4	Sequence 4, Appl	504	25	1.5	2291	6	5281520-3	Patent No. 5281520
c 432	25	1.5	930	4	US-09-227-357-61	Sequence 61, Appl	505	25	1.5	2310	1	US-08-471-570-9	Sequence 9, Appl
c 433	25	1.5	930	4	US-09-227-357-146	Sequence 146, App	506	25	1.5	2413	4	US-09-518-046-1	Sequence 1, Appl
c 434	25	1.5	955	4	US-09-641-638-19	Sequence 19, Appl	c 507	25	1.5	2416	4	US-09-261-416-1	Sequence 1, Appl
c 435	25	1.5	955	4	US-09-641-638-20	Sequence 20, Appl	c 508	25	1.5	2449	4	US-09-149-476-241	Sequence 241, App
c 436	25	1.5	973	4	US-09-257-583-8	Sequence 8, Appl	509	25	1.5	2461	1	US-08-832-883-3	Sequence 3, Appl
c 437	25	1.5	1000	4	US-09-018-584A-30	Sequence 30, Appl	510	25	1.5	2461	2	US-08-832-877-113	Sequence 113, App
c 438	25	1.5	1000	4	US-09-018-584A-31	Sequence 31, Appl	c 511	25	1.5	2544	4	US-09-518-046-3	Sequence 3, Appl
c 439	25	1.5	1001	4	US-09-641-638-259	Sequence 259, App	c 512	25	1.5	2562	2	US-08-436-771-8	Sequence 8, Appl
c 440	25	1.5	1001	4	US-09-641-638-265	Sequence 265, App	c 513	25	1.5	2562	2	US-08-434-998-8	Sequence 8, Appl
c 441	25	1.5	1013	1	US-07-920-519-30	Sequence 30, Appl	c 514	25	1.5	2562	2	US-08-487-797-8	Sequence 8, Appl
c 442	25	1.5	1013	1	US-08-086-410-23	Sequence 23, Appl	c 515	25	1.5	2562	5	PCT-US95-02058-8	Sequence 8, Appl
c 443	25	1.5	1013	1	US-08-314-586-30	Sequence 30, Appl	516	25	1.5	2634	4	US-09-463-238-3	Sequence 3, Appl
c 444	25	1.5	1027	4	US-09-465-558-57	Sequence 57, Appl	517	25	1.5	2676	1	US-08-471-570-7	Sequence 7, Appl
c 445	25	1.5	1040	4	US-09-183-959-11	Sequence 11, Appl	518	25	1.5	2721	3	US-08-921-195-1	Sequence 1, Appl
c 446	25	1.5	1064	1	US-08-378-588-15	Sequence 15, Appl	519	25	1.5	2854	2	US-08-724-394A-17	Sequence 17, Appl
c 447	25	1.5	1064	1	US-08-811-094-15	Sequence 15, Appl	c 520	25	1.5	3233	3	US-08-755-587-43	Sequence 43, Appl
c 448	25	1.5	1064	5	PCT-US94-11121-15	Sequence 15, Appl	c 521	25	1.5	3401	2	US-08-671-375A-4	Sequence 4, Appl
c 449	25	1.5	1116	1	US-08-672-569-1	Sequence 1, Appl	c 522	25	1.5	3441	4	US-09-026-033-17	Sequence 17, Appl
c 450	25	1.5	1116	3	US-08-916-443A-16	Sequence 16, Appl	523	25	1.5	3761	1	US-08-890-865A-2	Sequence 2, Appl
c 451	25	1.5	1174	2	US-08-481-658B-39	Sequence 39, Appl	524	25	1.5	4004	4	US-09-293-505-8	Sequence 8, Appl
c 452	25	1.5	1174	2	US-08-477-504A-39	Sequence 39, Appl	c 525	25	1.5	4192	4	US-09-122-126B-1	Sequence 1, Appl
c 453	25	1.5	1174	2	US-08-486-756A-39	Sequence 39, Appl	c 526	25	1.5	4203	2	US-08-866-757-1	Sequence 1, Appl
c 454	25	1.5	1174	2	US-08-485-862B-39	Sequence 39, Appl	527	25	1.5	4203	4	US-09-153-593-1	Sequence 1, Appl
c 455	25	1.5	1174	3	US-08-787-739-39	Sequence 39, Appl	528	25	1.5	4316	1	US-08-317-450B-14	Sequence 14, Appl
c 456	25	1.5	1174	3	US-08-487-077A-39	Sequence 39, Appl	529	25	1.5	4316	3	US-08-800-593-14	Sequence 14, Appl
c 457	25	1.5	1174	3	US-08-485-863A-39	Sequence 39, Appl	c 530	25	1.5	4335	3	US-09-058-489-19	Sequence 19, Appl
c 458	25	1.5	1174	4	US-08-485-049D-39	Sequence 39, Appl	c 531	25	1.5	4671	4	US-08-462-437-27	Sequence 27, Appl
c 459	25	1.5	1174	4	US-08-178-115-39	Sequence 39, Appl	532	25	1.5	5605	4	US-09-268-140-6	Sequence 6, Appl
c 460	25	1.5	1174	4	US-08-177-776-39	Sequence 39, Appl	533	25	1.5	6038	4	US-09-305-639-4	Sequence 4, Appl
c 461	25	1.5	1208	1	US-07-949-516A-3	Sequence 3, Appl	534	25	1.5	7622	4	US-09-305-639-4	Sequence 1, Appl
c 462	25	1.5	1208	2	US-08-814-459-3	Sequence 3, Appl	c 535	25	1.5	9844	4	US-08-462-437-30	Sequence 30, Appl
c 463	25	1.5	1208	3	US-09-122-525-3	Sequence 3, Appl	536	25	1.5	10380	4	US-09-077-354B-3	Sequence 3, Appl
c 464	25	1.5	1270	1	US-08-378-588-23	Sequence 23, Appl	c 537	25	1.5	10642	4	US-09-934-551-3	Sequence 3, Appl
c 465	25	1.5	1270	2	US-08-811-094-23	Sequence 23, Appl	c 538	25	1.5	10825	3	US-08-652-265-1	Sequence 1, Appl

c 539	25	1.5	10825	3	US-08-652-265-3	Sequence 3, Appll	c 612	24	1.4	450	2	US-08-592-541-7	Sequence 7, Appll
c 540	25	1.5	10825	3	US-08-652-265-5	Sequence 5, Appll	c 613	24	1.4	450	3	US-09-124-698-7	Sequence 7, Appll
c 541	25	1.5	10825	3	US-08-652-265-7	Sequence 7, Appll	c 614	24	1.4	450	4	US-08-127-480-7	Sequence 7, Appll
c 542	25	1.5	10825	3	US-08-834-497A-1	Sequence 3, Appll	c 615	24	1.4	450	4	US-08-496-841C-7	Sequence 7, Appll
c 543	25	1.5	10825	3	US-08-834-497A-3	Sequence 3, Appll	c 616	24	1.4	450	4	US-09-124-523-7	Sequence 7, Appll
c 544	25	1.5	10825	3	US-08-834-497A-5	Sequence 5, Appll	c 617	24	1.4	470	4	US-09-020-956-102	Sequence 102, App
c 545	25	1.5	10825	3	US-08-834-497A-7	Sequence 7, Appll	c 618	24	1.4	470	4	US-09-030-607-102	Sequence 102, App
c 546	25	1.5	10825	4	US-09-503-444A-1	Sequence 1, Appll	c 619	24	1.4	470	4	US-09-605-785-102	Sequence 102, App
c 547	25	1.5	10825	4	US-09-503-444A-3	Sequence 3, Appll	c 620	24	1.4	470	4	US-09-439-313-102	Sequence 102, App
c 548	25	1.5	10825	4	US-09-503-444A-5	Sequence 5, Appll	c 621	24	1.4	470	4	US-09-352-616A-102	Sequence 102, App
c 549	25	1.5	10825	4	US-09-503-444A-7	Sequence 7, Appll	c 622	24	1.4	470	4	US-09-332-149A-102	Sequence 102, App
c 550	25	1.5	10898	2	US-08-481-658B-5	Sequence 5, Appll	c 623	24	1.4	492	4	US-09-280-116-208	Sequence 208, App
c 551	25	1.5	10898	2	US-08-477-504A-5	Sequence 5, Appll	c 624	24	1.4	509	4	US-09-030-607-202	Sequence 202, App
c 552	25	1.5	10898	2	US-08-486-756A-5	Sequence 5, Appll	c 625	24	1.4	509	4	US-09-605-785-202	Sequence 202, App
c 553	25	1.5	10898	2	US-08-485-862B-5	Sequence 5, Appll	c 626	24	1.4	509	4	US-09-439-313-202	Sequence 202, App
c 554	25	1.5	10898	3	US-08-787-739-5	Sequence 5, Appll	c 627	24	1.4	509	4	US-09-352-616A-202	Sequence 202, App
c 555	25	1.5	10898	3	US-08-487-077A-5	Sequence 5, Appll	c 628	24	1.4	509	4	US-09-332-149A-202	Sequence 202, App
c 556	25	1.5	10898	3	US-08-485-863A-5	Sequence 5, Appll	c 629	24	1.4	541	4	US-09-288-143-50	Sequence 50, Appl
c 557	25	1.5	10898	4	US-08-485-049D-5	Sequence 5, Appll	c 630	24	1.4	566	4	US-09-328-111-466	Sequence 466, App
c 558	25	1.5	10898	4	US-09-178-115-5	Sequence 5, Appll	c 631	24	1.4	569	4	US-09-327-357-89	Sequence 89, Appl
c 559	25	1.5	10898	4	US-09-177-776-5	Sequence 5, Appll	c 632	24	1.4	571	1	US-08-322-742-14	Sequence 14, Appl
c 560	25	1.5	11517	1	US-07-920-281C-1	Sequence 1, Appll	c 633	24	1.4	578	4	US-09-328-111-757	Sequence 757, App
c 561	25	1.5	11517	4	US-08-466-277-1	Sequence 1, Appll	c 634	24	1.4	581	4	US-09-385-982-12	Sequence 12, Appl
c 562	25	1.5	12146	4	US-09-277-457-27	Sequence 27, Appll	c 635	24	1.4	591	4	US-09-385-982-406	Sequence 406, App
c 563	25	1.5	12394	4	US-09-488-856A-10	Sequence 10, Appll	c 636	24	1.4	606	4	US-09-040-984-55	Sequence 55, Appl
c 564	25	1.5	14753	4	US-09-821-736-3	Sequence 3, Appll	c 637	24	1.4	606	4	US-09-123-912-55	Sequence 55, Appl
c 565	25	1.5	17041	1	US-08-076-011-1	Sequence 1, Appll	c 638	24	1.4	606	4	US-09-643-597-55	Sequence 55, Appl
c 566	25	1.5	18596	4	US-09-318-448-11	Sequence 1, Appll	c 639	24	1.4	607	4	US-09-385-982-288	Sequence 288, App
c 567	25	1.5	18609	4	US-08-943-731-11	Sequence 1, Appll	c 640	24	1.4	608	4	US-09-385-982-183	Sequence 183, App
c 568	25	1.5	28664	4	US-09-564-805-28	Sequence 28, Appll	c 641	24	1.4	611	4	US-09-385-982-178	Sequence 178, App
c 569	25	1.5	28601	4	US-09-819-993-3	Sequence 3, Appll	c 642	24	1.4	611	4	US-09-385-982-393	Sequence 393, App
c 570	25	1.5	35060	3	US-08-814-095-7	Sequence 7, Appll	c 643	24	1.4	622	4	US-09-385-982-184	Sequence 184, App
c 571	25	1.5	38564	4	US-09-734-673-3	Sequence 3, Appll	c 644	24	1.4	627	4	US-09-385-982-4	Sequence 4, Appll
c 572	25	1.5	45716	4	US-08-965-048-5	Sequence 5, Appll	c 645	24	1.4	629	4	US-09-385-982-305	Sequence 305, App
c 573	25	1.5	45989	4	US-08-965-048-6	Sequence 6, Appll	c 646	24	1.4	631	4	US-09-385-982-354	Sequence 354, App
c 574	25	1.5	50000	4	US-09-146-053-4	Sequence 4, Appll	c 647	24	1.4	632	4	US-09-385-982-499	Sequence 499, App
c 575	25	1.5	56516	2	US-08-996-306-1	Sequence 1, Appll	c 648	24	1.4	635	1	US-08-455-633A-35	Sequence 35, Appl
c 576	25	1.5	56516	4	US-09-338-907-1	Sequence 1, Appll	c 649	24	1.4	635	1	US-08-416-336-5	Sequence 5, Appll
c 577	25	1.5	56516	4	US-09-218-207-1	Sequence 1, Appll	c 650	24	1.4	635	2	PCT-US94-0535A-35	Sequence 35, Appl
c 578	25	1.5	56520	4	US-09-338-907-179	Sequence 179, App	c 651	24	1.4	635	5	PCT-US94-0535A-35	Sequence 35, Appl
c 579	25	1.5	56520	4	US-09-218-207-179	Sequence 179, App	c 652	24	1.4	635	4	US-09-328-111-106	Sequence 106, App
c 580	25	1.5	72604	4	US-09-268-992-7	Sequence 7, Appll	c 653	24	1.4	653	4	US-09-373-750-1	Sequence 1, Appll
c 581	25	1.5	72604	4	US-09-657-474-7	Sequence 7, Appll	c 654	24	1.4	657	4	US-09-385-982-91	Sequence 91, Appll
c 582	25	1.5	169998	4	US-09-676-610B-24	Sequence 24, Appll	c 655	24	1.4	658	4	US-09-385-982-327	Sequence 327, App
c 583	24	1.4	38	4	US-09-325-554-7	Sequence 7, Appll	c 656	24	1.4	660	1	US-08-555-678-41	Sequence 41, Appl
c 584	24	1.4	40	4	US-09-306-290-2	Sequence 2, Appll	c 657	24	1.4	661	2	US-08-529-878B-37	Sequence 37, Appl
c 585	24	1.4	40	4	US-09-306-290-9	Sequence 9, Appll	c 658	24	1.4	675	4	US-09-605-785-822	Sequence 822, App
c 586	24	1.4	55	2	US-08-771-624B-8	Sequence 8, Appll	c 659	24	1.4	688	1	US-08-599-252-94	Sequence 94, Appl
c 587	24	1.4	75	2	US-08-776-944-13	Sequence 13, Appll	c 660	24	1.4	688	5	PCT-US96-06583-94	Sequence 94, Appl
c 588	24	1.4	130	6	5198345-15	Patent No. 5198345	c 661	24	1.4	689	4	US-09-105-542A-14	Sequence 14, Appl
c 589	24	1.4	130	6	5198345-15	Patent No. 5198345	c 662	24	1.4	690	4	US-09-328-111-74	Sequence 74, Appl
c 590	24	1.4	194	3	US-08-951-200A-7	Sequence 7, Appll	c 663	24	1.4	704	4	US-09-122-400B-8	Sequence 8, Appll
c 591	24	1.4	218	4	US-09-480-921B-18	Sequence 18, Appll	c 664	24	1.4	706	4	US-09-191-136-14	Sequence 14, Appl
c 592	24	1.4	263	4	US-09-091-097-26	Sequence 26, Appll	c 665	24	1.4	712	4	US-09-149-476-318	Sequence 318, App
c 593	24	1.4	282	1	US-08-133-629-8	Sequence 8, Appll	c 666	24	1.4	713	4	US-08-943-607-23	Sequence 23, Appl
c 594	24	1.4	291	4	US-09-605-785-823	Sequence 823, App	c 667	24	1.4	713	4	US-08-943-607-24	Sequence 24, Appl
c 595	24	1.4	294	1	US-08-446-660-18	Sequence 18, Appl	c 668	24	1.4	713	4	US-08-943-607-25	Sequence 25, Appl
c 596	24	1.4	294	4	US-08-974-302-18	Sequence 18, Appl	c 669	24	1.4	713	4	US-08-943-607-26	Sequence 26, Appl
c 597	24	1.4	296	4	US-09-385-982-19	Sequence 19, Appll	c 670	24	1.4	731	1	US-08-451-405A-2	Sequence 2, Appll
c 598	24	1.4	301	4	US-09-605-785-299	Sequence 299, App	c 671	24	1.4	732	2	US-09-328-111-697	Sequence 697, App
c 599	24	1.4	301	4	US-09-439-313-299	Sequence 299, App	c 672	24	1.4	737	2	US-08-257-963B-41	Sequence 41, Appl
c 600	24	1.4	301	4	US-09-352-616A-299	Sequence 299, App	c 673	24	1.4	737	5	PCT-US95-07201-41	Sequence 41, Appl
c 601	24	1.4	301	4	US-09-232-149A-299	Sequence 299, App	c 674	24	1.4	737	4	US-09-149-476-20	Sequence 20, Appl
c 602	24	1.4	327	4	US-09-385-982-544	Sequence 544, App	c 675	24	1.4	773	4	US-08-765-340-1	Sequence 1, Appll
c 603	24	1.4	330	4	US-09-078-294-24	Sequence 24, Appll	c 676	24	1.4	773	3	US-08-236-427-12	Sequence 12, Appl
c 604	24	1.4	336	4	US-09-385-982-508	Sequence 508, App	c 677	24	1.4	787	1	US-09-288-143-21	Sequence 21, Appl
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c 607	24	1.4	374	2	US-08-370-156-24	Sequence 24, Appl	c 680	24	1.4	826	4	US-08-967-101-113	Sequence 113, App
c 608	24	1.4	380	4	US-09-385-982-457	Sequence 457, App	c 681	24	1.4	834	2	US-08-592-541-113	Sequence 113, App
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881	24	1.4	3176	2	US-08-910-884-17	Sequence 17, Appll	c 954	24	1.4	5835	4	US-09-033-333-2	Sequence 2, Appll
882	24	1.4	3212	4	US-08-697-954-1	Sequence 1, Appll	c 955	24	1.4	5835	4	US-09-614-495-3	Sequence 3, Appll
883	24	1.4	3223	2	US-08-620-694A-9	Sequence 9, Appll	c 956	24	1.4	5836	1	US-08-380-916-1	Sequence 1, Appll
884	24	1.4	3223	3	US-09-022-255-9	Sequence 9, Appll	c 957	24	1.4	5836	3	US-08-721-690-1	Sequence 1, Appll
885	24	1.4	3223	3	US-09-022-696-9	Sequence 9, Appll	c 958	24	1.4	5836	3	US-08-891-581-1	Sequence 1, Appll
886	24	1.4	3223	3	US-08-978-773-3	Sequence 3, Appll	c 959	24	1.4	5836	4	US-09-033-333-2	Sequence 2, Appll
887	24	1.4	3223	3	US-09-022-253-9	Sequence 9, Appll	c 960	24	1.4	5836	4	US-09-033-333-2	Sequence 2, Appll
888	24	1.4	3223	3	US-09-022-260-9	Sequence 9, Appll	c 961	24	1.4	5836	4	US-09-614-495-2	Sequence 2, Appll
889	24	1.4	3223	4	US-09-022-259-9	Sequence 9, Appll	962	24	1.4	5993	4	US-09-383-630-1	Sequence 1, Appll
c 890	24	1.4	3223	4	US-09-022-257-9	Sequence 9, Appll	963	24	1.4	5993	4	US-09-383-630-2	Sequence 2, Appll
c 891	24	1.4	3267	2	US-08-257-963B-12	Sequence 12, Appll	964	24	1.4	6002	2	US-08-698-551-15	Sequence 15, Appll
c 892	24	1.4	3267	4	US-08-367-841A-12	Sequence 12, Appll	965	24	1.4	6002	2	US-08-602-228-15	Sequence 15, Appll
c 893	24	1.4	3267	5	PCT-US95-07201-12	Sequence 12, Appll	966	24	1.4	6002	2	US-08-839-032A-15	Sequence 15, Appll
894	24	1.4	3287	4	US-08-811-481-15	Sequence 15, Appll	c 967	24	1.4	6002	4	US-09-185-258C-15	Sequence 15, Appll
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896	24	1.4	3323	2	US-08-422-699A-10	Sequence 10, Appll	c 969	24	1.4	6140	4	US-09-439-313-536	Sequence 536, App
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898	24	1.4	3350	2	US-08-663-566A-1	Sequence 1, Appll	971	24	1.4	6769	1	US-08-480-784-20	Sequence 20, Appll
899	24	1.4	3350	2	US-08-023-610-1	Sequence 1, Appll	972	24	1.4	6769	1	US-08-483-553-20	Sequence 20, Appll
900	24	1.4	3350	2	US-08-288-065A-1	Sequence 1, Appll	973	24	1.4	6769	1	US-08-487-002-20	Sequence 20, Appll
901	24	1.4	3350	2	US-08-362-240A-1	Sequence 1, Appll	974	24	1.4	6769	1	US-08-483-554B-20	Sequence 20, Appll
902	24	1.4	3350	5	PCT-US95-10245-1	Sequence 1, Appll	975	24	1.4	6769	1	US-08-488-011B-20	Sequence 20, Appll
c 903	24	1.4	3373	1	US-08-273-411-2	Sequence 2, Appll	976	24	1.4	6769	4	US-08-850-727-20	Sequence 20, Appll

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977 24 1.4 6769 5 PCT-US95-10203-20 Sequence 20, Appl
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979 24 1.4 6769 5 PCT-US95-10220-20 Sequence 20, Appl
980 24 1.4 6792 4 US-09-374-454-20 Sequence 20, Appl
c 981 24 1.4 7505 4 US-09-078-294-13 Sequence 13, Appl
982 24 1.4 8083 4 US-09-383-630-4 Sequence 4, Appl
983 24 1.4 8083 4 US-09-383-630-5 Sequence 5, Appl
c 984 24 1.4 8174 1 US-07-914-281-5 Sequence 5, Appl
c 985 24 1.4 8174 1 US-08-393-246-5 Sequence 5, Appl
c 986 24 1.4 8174 1 US-08-525-058A-5 Sequence 5, Appl
c 987 24 1.4 8174 2 US-08-696-731-5 Sequence 5, Appl
c 988 24 1.4 8174 4 US-09-042-531-5 Sequence 5, Appl
c 989 24 1.4 8174 5 PCT-US91-00899-3 Sequence 3, Appl
c 990 24 1.4 8353 3 US-08-611-587-1 Sequence 1, Appl
c 991 24 1.4 8453 4 US-09-167-681-45 Sequence 45, Appl
c 992 24 1.4 8779 2 US-08-750-703-4 Sequence 4, Appl
c 993 24 1.4 9704 4 US-09-814-951A-3 Sequence 3, Appl
c 994 24 1.4 9775 4 US-08-977-171-1 Sequence 1, Appl
c 995 24 1.4 11531 1 US-08-068-945A-1 Sequence 1, Appl
c 996 24 1.4 11531 1 US-08-442-806-1 Sequence 1, Appl
c 997 24 1.4 11811 4 US-09-078-294-7 Sequence 7, Appl
c 998 24 1.4 12047 2 US-09-022-461-1 Sequence 1, Appl
c 999 24 1.4 12047 4 US-09-033-556-3 Sequence 3, Appl
1000 24 1.4 13104 4 US-08-256-799-4 Sequence 4, Appl
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## ALIGNMENTS

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RESULT 1
5508199-1
; Patent No. 5508199
; APPLICANT: GONZALES, FRANK J.; HARDWICK, JAMES P.; GELBOIN,
; HARRY V.; MEYER, URS A.
; TITLE OF INVENTION: P450DB1 CLONES FOR IDENTIFYING HUMANS
; WITH GENETIC DEFECT IN DRUG METABOLISM
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/242,158
; FILING DATE: 13-MAY-1994
; PRIOR APPLICATION NUMBER: 845,507
; FILING DATE: 27-FEB-1992
; APPLICATION NUMBER: 292,815
; FILING DATE: 03-JAN-1989
; SEQ ID NO:1:
; LENGTH: 180
5508199-1
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Query Match 3.6%; Score 61; DB 6; Length 180;
Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1620 ATGGGGCTAGAAGCACTGGTGGCCCTGGCCGTGATAGTGGCCATCTTCCTGCTGGTG 1679
Db 1 ATGGGGCTAGAAGCACTGGTGGCCCTGGCCGTGATAGTGGCCATCTTCCTGCTGGTG 60
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Qy 1680 G 1680
Db 61 G 61
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RESULT 2
US-08-145-658D-13
; Sequence 13, Application US/08145658D
; Patent No. 5981174
; GENERAL INFORMATION:
; APPLICANT: Wolf, Charles R.
; APPLICANT: Miles, John S.
; APPLICANT: Spurr, Nigel K.
; APPLICANT: Gough, Alan C.
; TITLE OF INVENTION: GENETIC ASSAY
; NUMBER OF SEQUENCES: 25
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; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP
; STREET: 2101 L Street N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/145,658D
; FILING DATE: 04-NOV-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9001181.8
; FILING DATE: 18-JAN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/732,223
; FILING DATE: 18-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brady, Jr., James W.
; REGISTRATION NUMBER: 32,115
; REFERENCE/DOCKET NUMBER: E8280.017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-785-9700
; TELEFAX: 202-887-0689
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1566 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-08-145-658D-13

Query Match 3.6%; Score 61; DB 2; Length 1566;
Best Local Similarity 100.0%; Pred. No. 1e-16;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1620 ATGGGGCTAGAAGCACTGGTGGCCCTGGCCGTGATAGTGGCCATCTTCCTGCTGGTG 1679
Db 1 ATGGGGCTAGAAGCACTGGTGGCCCTGGCCGTGATAGTGGCCATCTTCCTGCTGGTG 60

Qy 1680 G 1680
Db 61 G 61

RESULT 3
US-08-145-658D-22
; Sequence 22, Application US/08145658D
; Patent No. 5981174
; GENERAL INFORMATION:
; APPLICANT: Wolf, Charles R.
; APPLICANT: Miles, John S.
; APPLICANT: Spurr, Nigel K.
; APPLICANT: Gough, Alan C.
; TITLE OF INVENTION: GENETIC ASSAY
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP
; STREET: 2101 L Street N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
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/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/145,658D
/ FILING DATE: 04-NOV-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: GB 9001181.8
/ FILING DATE: 18-JAN-1990
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/732,223
/ FILING DATE: 18-JUL-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brady, Jr., James W.
/ REGISTRATION NUMBER: 32,115
/ REFERENCE/DOCKET NUMBER: E8280.017
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-785-9700
/ TELEFAX: 202-887-0689
/ INFORMATION FOR SEQ ID NO: 22:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1566 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA to mRNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Homo sapiens
/
/ US-08-145-658D-22
/
/ Query Match 3.6%; Score 61; DB 2; Length 1566;
/ Best Local Similarity 100.0%; Pred. No. 1e-16;
/ Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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/ QY 1620 ATGGGGCTAGAGCACTGGTGGCCCTGGCGGTAGTAGTGCCCATCTTCTGCTCTGGTG 1679
/ Db 1 ATGGGGCTAGAGCACTGGTGGCCCTGGCGGTAGTAGTGCCCATCTTCTGCTCTGGTG 60
/
/ QY 1680 G 1680
/ Db 61 G 61
/
/ RESULT 4
/ US-08-145-658D-20
/ Sequence 20, Application US/08145658D
/ Patent No. 5981174
/ GENERAL INFORMATION:
/ APPLICANT: Wolf, Charles R.
/ APPLICANT: Miles, John S.
/ APPLICANT: Spurr, Nigel K.
/ APPLICANT: Gough, Alan C.
/ TITLE OF INVENTION: GENETIC ASSAY
/ NUMBER OF SEQUENCES: 25
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP
/ STREET: 2101 L Street N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20037
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/145,658D
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/ FILING DATE: 04-NOV-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: GB 9001181.8
/ FILING DATE: 18-JAN-1990
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/732,223
/ FILING DATE: 18-JUL-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brady, Jr., James W.
/ REGISTRATION NUMBER: 32,115
/ REFERENCE/DOCKET NUMBER: E8280.017
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-785-9700
/ TELEFAX: 202-887-0689
/ INFORMATION FOR SEQ ID NO: 20:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1568 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA to mRNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Homo sapiens
/
/ US-08-145-658D-20
/
/ Query Match 3.6%; Score 61; DB 2; Length 1568;
/ Best Local Similarity 100.0%; Pred. No. 1e-16;
/ Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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/ QY 1620 ATGGGGCTAGAGCACTGGTGGCCCTGGCGGTAGTAGTGCCCATCTTCTGCTCTGGTG 1679
/ Db 1 ATGGGGCTAGAGCACTGGTGGCCCTGGCGGTAGTAGTGCCCATCTTCTGCTCTGGTG 60
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/ QY 1680 G 1680
/ Db 61 G 61
/
/ RESULT 5
/ US-08-145-658D-21
/ Sequence 21, Application US/08145658D
/ Patent No. 5981174
/ GENERAL INFORMATION:
/ APPLICANT: Wolf, Charles R.
/ APPLICANT: Miles, John S.
/ APPLICANT: Spurr, Nigel K.
/ APPLICANT: Gough, Alan C.
/ TITLE OF INVENTION: GENETIC ASSAY
/ NUMBER OF SEQUENCES: 25
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP
/ STREET: 2101 L Street N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20037
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/145,658D
/ FILING DATE: 04-NOV-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: GB 9001181.8
/ FILING DATE: 18-JAN-1990
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/732,223
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SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/201,879A  
FILING DATE: 24-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/869,933  
FILING DATE: 16-APR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/03419  
FILING DATE: 16-APR-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 40399/234/NIHD  
TELEPHONE: (202)672-5300  
TELEFAX: (202)672-5399  
TELEX: 904136  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11298 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
STRAIN: Fori beta  
FEATURE:  
NAME/KEY: CDS  
LOCATION: join(456..511, 1381..1510, 2026..2160, 4475..4531,  
LOCATION: 5079..5237, 5640..5738, 7224..7319)  
US-08-201-879A-2

Query Match 2.3%; Score 38; DB 1; Length 11298;  
Best Local Similarity 100.0%; Pred. No. 3.9e-07;  
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 230 CAGCTACTAGGAGGCTGAGCGAGGAGGAATTGCTTGA 267  
Db 6813 CAGCTACTAGGAGGCTGAGCGAGGAGGAATTGCTTGA 6850

RESULT 12  
US-09-103-663-31  
Sequence 31, Application US/09103663D  
Patent No. 6171803  
GENERAL INFORMATION:  
APPLICANT: Kinet et al.  
TITLE OF INVENTION: Isolation, characterization, and use of the human beta  
TITLE OF INVENTION: subunit of the high affinity receptor for  
TITLE OF INVENTION: immunoglobulin E.  
FILE REFERENCE: 50490  
CURRENT APPLICATION NUMBER: US/09/103,663D  
CURRENT FILING DATE: 1998-06-23  
EARLIER APPLICATION NUMBER: 07/869,933  
EARLIER FILING DATE: 1992-04-16  
NUMBER OF SEQ ID NOS: 35  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 31  
LENGTH: 11298  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-103-663-31

Query Match 2.3%; Score 38; DB 4; Length 11298;  
Best Local Similarity 100.0%; Pred. No. 3.9e-07;  
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 230 CAGCTACTAGGAGGCTGAGCGAGGAGGAATTGCTTGA 267  
Db 6813 CAGCTACTAGGAGGCTGAGCGAGGAGGAATTGCTTGA 6850

RESULT 13  
US-09-741-150-3/c  
Sequence 3, Application US/09741150  
Patent No. 6436689  
GENERAL INFORMATION:  
APPLICANT: GUEGLER, Karl et al  
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,  
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND  
TITLE OF INVENTION: USES THEREOF  
FILE REFERENCE: CL000968  
CURRENT APPLICATION NUMBER: US/09/741,150  
CURRENT FILING DATE: 2000-12-21  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 112132  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(112132)  
OTHER INFORMATION: n = A,T,C or G  
US-09-741-150-3

Query Match 2.3%; Score 38; DB 4; Length 112132;  
Best Local Similarity 100.0%; Pred. No. 3.3e-07;  
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 207 GTGTGGCACACACCTGTATCCAGCTACTTAGGAGG 244  
Db 80384 GTGTGGCACACACCTGTATCCAGCTACTTAGGAGG 80347

RESULT 14  
US-08-257-963B-10  
Sequence 10, Application US/08257963B  
Patent No. 5840686  
GENERAL INFORMATION:  
APPLICANT: Chader, Gerald J.; Becerra, S.  
APPLICANT: Patricia; Schwartz, Joan P.;  
APPLICANT: Taniwaki, Takayuki  
TITLE OF INVENTION: PIGMENT EPITHELIUM  
TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION OF ITS NOVEL  
TITLE OF INVENTION: BIOLOGICAL ACTIVITY AND SEQUENCES ENCODING  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Morgan & Finnegan  
STREET: 345 Park Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/257,963B  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/952,796  
FILING DATE: 24-SEPT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36434  
REFERENCE/DOCKET NUMBER: 20264126US1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849

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; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 7210 Base Pairs
;   TYPE: Nucleic Acid
;   STRANDEDNESS: Double
;   TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Human
; IMMEDIATE SOURCE:
; LIBRARY: DASH II
; FEATURE:
;   NAME/KEY: JT6A
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: 7.2 kb No. 5840686 1 fragments
; OTHER INFORMATION: Derived from human placental genomic DNA
US-08-257-963B-10

Query Match          2.2%; Score 37; DB 2; Length 7210;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      75 GCGGTGGCTCATGCTATATCCAGCAGCACTTTGGGAG 111
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Db      3065 GCGGTGGCTCATGCTATATCCAGCAGCACTTTGGGAG 3101

RESULT 15
PCT-US95-07201-10
; Sequence 10, Application US/08367841A
; Patent No. 6319687
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Rodriguez,
; APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
; APPLICANT: Tombran-Tink, Joyce
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/367,841A
; FILING DATE: 30-DEC-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126US2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 7210 Base Pairs
;   TYPE: Nucleic Acid
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; STRANDEDNESS: Double
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Human
; IMMEDIATE SOURCE:
; LIBRARY: DASH II
; FEATURE:
;   NAME/KEY: JT6A
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: 7.0 kb No. 6319687 1-No. 6319687
; OTHER INFORMATION: fragment: Derived from human placental
; OTHER INFORMATION: genomic DNA; also referred to as JT106
US-08-367-841A-10

Query Match          2.2%; Score 37; DB 4; Length 7210;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
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QY      75 GCGGTGGCTCATGCTATATCCAGCAGCACTTTGGGAG 111
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Db      3065 GCGGTGGCTCATGCTATATCCAGCAGCACTTTGGGAG 3101

RESULT 16
PCT-US95-07201-10
; Sequence 10, Application PC/TUS9507201
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Tanikawa, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07201
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/367,841
; FILING DATE: 30-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 7210 Base Pairs
;   TYPE: Nucleic Acid
; STRANDEDNESS: Double
```

```
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Human
; IMMEDIATE SOURCE:
; LIBRARY: DASH II
; FEATURE:
; NAME/KEY: JT6A
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: 7.0 kb Not 1-Not
; OTHER INFORMATION: fragment; Derived from human placental
; OTHER INFORMATION: genomic DNA; also referred to as JT106
PCT-US95-07201-10

Query Match          2.2%; Score 37; DB 5; Length 7210;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 75 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 111
Db 3065 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 3101

RESULT 17
US-08-520-373D-4
; Sequence 4, Application US/08520373D
; Patent No. 6451763
; GENERAL INFORMATION:
; APPLICANT: Tombran-Tink, Joyce
; APPLICANT: Steele, Flintan R
; APPLICANT: Chader, Gerald J
; APPLICANT: Becerra, Sofia P
; APPLICANT: Johnson, Lincoln V
; APPLICANT: Rodriguez, Ignacio R
; TITLE OF INVENTION: RETINAL PIGMENTED EPITHELIUM DERIVED NEUROTROPIC FACTOR
; FILE REFERENCE: 2026-4203US1
; CURRENT APPLICATION NUMBER: US/08/520,373D
; PRIOR FILING DATE: 1995-08-29
; PRIOR FILING DATE: 1995-01-25
; PRIOR FILING DATE: 1994-07-25
; PRIOR FILING DATE: 1992-06-04
; PRIOR FILING DATE: 1992-09-24
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 14581
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: mRNA: 6683; EXON: 6683-6790; EXON 11584-11675;
; OTHER INFORMATION: EXON: 14539-14581; INTRON: 6791-11583; INTRON:
; OTHER INFORMATION: 11676-14538; CDS: 11584-11675; 14539-14580
US-08-520-373D-4

Query Match          2.2%; Score 37; DB 4; Length 14581;
Best Local Similarity 100.0%; Pred. No. 1e-06;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 75 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 111
Db 3064 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 3100

RESULT 18
US-08-367-841A-43
; Sequence 43, Application US/08367841A
; Patent No. 6319687
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Taniwaki, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
```

```
; APPLICANT: Chader, Gerald J.; Rodriguez,
; APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
; ORIGINAL SOURCE: Tombran-Tink, Joyce
; IMMEDIATE SOURCE: PIGMENT EPITHELIUM
; LIBRARY: DASH II
; FEATURE:
; NAME/KEY: JT6A
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: 7.0 kb Not 1-Not
; OTHER INFORMATION: fragment; Derived from human placental
; OTHER INFORMATION: genomic DNA; also referred to as JT106
PCT-US95-07201-10

Query Match          2.2%; Score 37; DB 4; Length 22481;
Best Local Similarity 100.0%; Pred. No. 9.8e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 75 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 111
Db 3057 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 3093

RESULT 19
PCT-US95-07201-43
; Sequence 43, Application PC/TUS9507201
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Taniwaki, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
```

STREET: 345 Park Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/07201  
FILING DATE: 06-JUN-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA: 08/367,841  
FILING DATE: 30-DEC-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/257,963  
FILING DATE: 07-JUN-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/952,796  
FILING DATE: 24-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36434  
REFERENCE/DOCKET NUMBER: 20264126PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 43:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22481 Base Pairs  
TYPE: Nucleic Acid  
STRANDEDNESS: Double  
TOPOLOGY: Unknown  
MOLECULE TYPE: Genomic DNA  
FEATURE:  
NAME/KEY: Pl-147  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: full length genomic  
OTHER INFORMATION: sequence for PEDF plus flanking sequences.  
PCT-US95-07201-43

Query Match 2.2%; Score 37; DB 5; Length 22481;  
Best Local Similarity 100.0%; Pred. No. 9.8e-07;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 75 GCGGTGGCTCATGCTATATCCAGCACCTTTGGGAG 111  
|||||  
Db 3057 GCGGTGGCTCATGCTATATCCAGCACCTTTGGGAG 3093

RESULT 20  
US-09-875-223-2  
; Sequence 2, Application US/09875223  
; Patent No. 6391850  
; GENERAL INFORMATION:  
; APPLICANT: No. 6391850thwestern University  
; APPLICANT: No. 63918501 Bouck  
; APPLICANT: David Dawson  
; APPLICANT: Paul Gillis  
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis  
; FILE REFERENCE: 0290-2303  
; CURRENT APPLICATION NUMBER: US/09/875,223  
; CURRENT FILING DATE: 2001-06-06  
; PRIOR APPLICATION NUMBER: US 09/122,079  
; PRIOR FILING DATE: 1998-07-23  
; PRIOR APPLICATION NUMBER: PCT/US98/15228  
; PRIOR FILING DATE: 1998-07-23  
; PRIOR APPLICATION NUMBER: US 08/899,304  
; PRIOR FILING DATE: 1997-07-23

NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 2  
LENGTH: 22484  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: Unsure  
LOCATION: 1...22484  
OTHER INFORMATION: "n" means either a, c, t, or g  
US-09-875-223-2

Query Match 2.2%; Score 37; DB 4; Length 22484;  
Best Local Similarity 100.0%; Pred. No. 9.8e-07;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 75 GCGGTGGCTCATGCTATATCCAGCACCTTTGGGAG 111  
|||||  
Db 3057 GCGGTGGCTCATGCTATATCCAGCACCTTTGGGAG 3093

RESULT 21  
US-09-078-294-4/c  
; Sequence 4, Application US/09078294  
; Patent No. 6265211  
; GENERAL INFORMATION:  
; APPLICANT: Choo, Kong-Hong Andy  
; APPLICANT: Du Sart, Desiree  
; APPLICANT: Cancilla, Michael R.  
; TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE  
; FILE REFERENCE: Davies Col  
; CURRENT APPLICATION NUMBER: US/09/078,294  
; CURRENT FILING DATE: 1998-05-13  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 80246  
; TYPE: DNA  
; ORGANISM: Nucleotide sequence of NC-contig  
US-09-078-294-4

Query Match 2.2%; Score 37; DB 4; Length 80246;  
Best Local Similarity 100.0%; Pred. No. 8.9e-07;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 113 CTGAGGTGGTGGTATCACCCTGAAGTCAGGAGTTCAAG 149  
|||||  
Db 20206 CTGAGGTGGTGGTATCACCCTGAAGTCAGGAGTTCAAG 20170

RESULT 22  
US-09-078-294-3/c  
; Sequence 3, Application US/09078294  
; Patent No. 6265211  
; GENERAL INFORMATION:  
; APPLICANT: Choo, Kong-Hong Andy  
; APPLICANT: Du Sart, Desiree  
; APPLICANT: Cancilla, Michael R.  
; TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE  
; FILE REFERENCE: Davies Col  
; CURRENT APPLICATION NUMBER: US/09/078,294  
; CURRENT FILING DATE: 1998-05-13  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 80595  
; TYPE: DNA  
; ORGANISM: Nucleotide sequence of HC-contig  
US-09-078-294-3

Query Match 2.2%; Score 37; DB 4; Length 80595;  
Best Local Similarity 100.0%; Pred. No. 8.9e-07;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 113 CTGAGTGGGTGGATCACCTGAAGTCAGGAGGTTCAAG 149  
|||||  
Db 20469 CTGAGTGGGTGGATCACCTGAAGTCAGGAGGTTCAAG 20433

## RESULT 23

US-09-345-882-1/c  
; Sequence 1, Application US/09345882  
; Patent No. 6399373  
; GENERAL INFORMATION:  
; APPLICANT: Bougueret, Lydie  
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)  
; FILE REFERENCE: GENSET.031A  
; CURRENT APPLICATION NUMBER: US/09/345,882  
; CURRENT FILING DATE: 1999-06-30  
; PRIOR APPLICATION NUMBER: US 60/091,315  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/111,909  
; PRIOR FILING DATE: 1998-12-10  
; NUMBER OF SEQ ID NOS: 140  
; SOFTWARE: Patent.pm  
; SEQ ID NO 1  
; LENGTH: 162450  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 72794  
; OTHER INFORMATION: 5-124-273 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 88073  
; OTHER INFORMATION: 5-127-261 : polymorphic base A or C  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 90842  
; OTHER INFORMATION: 99-1437-325 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 93714  
; OTHER INFORMATION: 5-138-60 : polymorphic base deletion of GT  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97122  
; OTHER INFORMATION: 99-1442-224 : polymorphic base G or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97152  
; OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 99098  
; OTHER INFORMATION: 5-130-257 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 99117  
; OTHER INFORMATION: 5-130-276 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 103806  
; OTHER INFORMATION: 5-131-395 : polymorphic base A or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 106940  
; OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108106  
; OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A  
; FEATURE:  
; NAME/KEY: allele

; LOCATION: 108149  
; OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108308  
; OTHER INFORMATION: 5-135-357 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108471  
; OTHER INFORMATION: 5-136-174 : polymorphic base C or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 134134  
; OTHER INFORMATION: 5-140-120 : polymorphic base C or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 134362  
; OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 134374  
; OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 146328  
; OTHER INFORMATION: 5-143-84 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 146345  
; OTHER INFORMATION: 5-143-101 : polymorphic base A or C  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 150329  
; OTHER INFORMATION: 5-145-24 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 160031  
; OTHER INFORMATION: 5-148-352 : polymorphic base G or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 72771..72817  
; OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 72771..72817  
; OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 88050..88096  
; OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 88050..88096  
; OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 90819..90865  
; OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 90819..90865  
; OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 93690..93736  
; OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 93690..93736  
; OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97099..97145

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; OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97099..97145
; OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97130..97177
; OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97130..97177
; OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99075..99121
; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99075..99121
; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99094..99140
; OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99094..99140
; OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
; FEATURE:
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Query Match 2.2%; Score 37; DB 4; Length 162450;  
Best Local Similarity 100.0%; Pred. No. 8.4e-07;  
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 75 GCGGTGGCTCATGCCCTATATCCACGACTTTGGGAG 111
|||||
Db 51622 GCGGTGGCTCATGCCCTATATCCACGACTTTGGGAG 51586
```

RESULT 24

```
US-09-128-155-16
; Sequence 16, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; CURRENT FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 152331
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(152331)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-16
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Query Match 2.1%; Score 36; DB 3; Length 152331;  
Best Local Similarity 100.0%; Pred. No. 2.2e-06;  
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 116 AGTGGTGGATCACCTGAAGTCAGGAGTTCAAGAC 151
|||||
Db 151040 AGTGGTGGATCACCTGAAGTCAGGAGTTCAAGAC 151075
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RESULT 25

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US-09-426-290-1/c
; Sequence 1, Application US/09426290
; Patent No. 6410712
; GENERAL INFORMATION:
; APPLICANT: Berglind Ran Olafsdottir
; APPLICANT: Jeffrey Gulcher
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
; FILE REFERENCE: 2345.2001-000
; CURRENT APPLICATION NUMBER: US/09/426,290
; CURRENT FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 168575
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21181)...(21403)
; NAME/KEY: CDS
; LOCATION: (95252)...(95430)
; NAME/KEY: CDS
; LOCATION: (101753)...(101996)
; NAME/KEY: CDS
; LOCATION: (110324)...(110439)
; NAME/KEY: CDS
; LOCATION: (124058)...(124278)
; NAME/KEY: CDS
; LOCATION: (127009)...(127130)
; NAME/KEY: CDS
; LOCATION: (128910)...(129139)
US-09-426-290-1
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Query Match 2.1%; Score 36; DB 4; Length 168575;  
Best Local Similarity 100.0%; Pred. No. 2.2e-06;  
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 76 CGGTGGCTCATGCTATTAATCCCGACGACTTTGGAG 111  
|||||  
Db 65704 CGGTGGCTCATGCTATTAATCCCGACGACTTTGGAG 65669

## RESULT 26

US-09-305-384-5

; Sequence 5, Application US/09305384

; Patent No. 6242218

; GENERAL INFORMATION:

; APPLICANT: Treco, Douglas A.

; APPLICANT: Heartlein, Michael W.

; APPLICANT: Selden, Richard F.

; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY

; FILE REFERENCE: 07236/017001

; CURRENT APPLICATION NUMBER: US/09/305,384

; CURRENT FILING DATE: 1999-05-05

; EARLIER APPLICATION NUMBER: US 60/084,649

; EARLIER FILING DATE: 1998-05-07

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 5

; LENGTH: 6235

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-305-384-5

## Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 6235;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 148 AGACTACCTGGCCCAACATGGTGAACCCCTATCTC 182

|||||

Db 159 AGACTACCTGGCCCAACATGGTGAACCCCTATCTC 193

## RESULT 27

US-09-305-384-1

; Sequence 1, Application US/09305384

; Patent No. 6242218

; GENERAL INFORMATION:

; APPLICANT: Treco, Douglas A.

; APPLICANT: Heartlein, Michael W.

; APPLICANT: Selden, Richard F.

; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY

; FILE REFERENCE: 07236/017001

; CURRENT APPLICATION NUMBER: US/09/305,384

; CURRENT FILING DATE: 1999-05-05

; EARLIER APPLICATION NUMBER: US 60/084,649

; EARLIER FILING DATE: 1998-05-07

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 1

; LENGTH: 6679

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-305-384-1

## Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 6679;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 148 AGACTACCTGGCCCAACATGGTGAACCCCTATCTC 182

|||||

Db 178 AGACTACCTGGCCCAACATGGTGAACCCCTATCTC 212

## RESULT 28

US-09-738-884-3

; Sequence 3, Application US/09738884

; Patent No. 6391606

; GENERAL INFORMATION:

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,  
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE  
; FILE REFERENCE: CL000849  
; CURRENT APPLICATION NUMBER: US/09/738,884  
; CURRENT FILING DATE: 2000-12-18  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 13953  
; TYPE: DNA  
; ORGANISM: Human  
US-09-738-884-3

## Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 13953;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 CCTGTATCCAGCTACTTAGGAGGCTGAGGCAGG 254

|||||

Db 7286 CCTGTATCCAGCTACTTAGGAGGCTGAGGCAGG 7320

## RESULT 29

US-09-729-995-3

; Sequence 3, Application US/09729995

; Patent No. 6426206

; GENERAL INFORMATION:

; APPLICANT: WEI, Ming-Hui et al

; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

; FILE REFERENCE: CL000904

; CURRENT APPLICATION NUMBER: US/09/729,995

; CURRENT FILING DATE: 2000-12-06

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 29629

; TYPE: DNA

; ORGANISM: Human

US-09-729-995-3

## Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 29629;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 GGTGGCTCATGCTATTAATCCCGACGACTTTGGAG 111

|||||

Db 24605 GGTGGCTCATGCTATTAATCCCGACGACTTTGGAG 24639

## RESULT 30

US-09-735-934A-3

; Sequence 3, Application US/09735934A

; Patent No. 6372468

; GENERAL INFORMATION:

; APPLICANT: LI, Jiayin et al

; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

; FILE REFERENCE: CL000851

; CURRENT APPLICATION NUMBER: US/09/735,934A

; CURRENT FILING DATE: 2000-12-14

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 43950

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-735-934A-3

## Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 43950;

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Best Local Similarity 100.0%; Pred. No. 6.4e-06;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 GGTGGCTCATGCTATATAATCCAGCACCTTTGGGAG 111
|||||
Db 8966 GGTGGCTCATGCTATATAATCCAGCACCTTTGGGAG 9000

RESULT 31
US-09-750-580-1/c
; Sequence 1, Application US/09750580
; Patent No. 6455280
; GENERAL INFORMATION:
; APPLICANT: Yen, Frances
; APPLICANT: Denison, Blake
; APPLICANT: Bour, Barbara
; APPLICANT: Bihain, Bernard
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bouqueleret, Lydie
; APPLICANT: Ebbets-Reed, Dana
; APPLICANT: Salter-Cid, Luisa
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH
; FILE REFERENCE: 89.US2.CIP
; CURRENT APPLICATION NUMBER: US/09/750,580
; CURRENT FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 09/599,362
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB00/0101
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB99/02058
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 49/469/099
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: US 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: US 60/141,032
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 81001
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 10946..12946
; OTHER INFORMATION: 5'regulatory region
; NAME/KEY: exon
; LOCATION: 12947..12958
; OTHER INFORMATION: exon 1
; NAME/KEY: exon
; LOCATION: 13470..13526
; OTHER INFORMATION: exon 2
; NAME/KEY: exon
; LOCATION: 13641..13752
; OTHER INFORMATION: exon 3
; NAME/KEY: exon
; LOCATION: 14271..15968
; OTHER INFORMATION: exon 4
; NAME/KEY: misc_feature
; LOCATION: 15969..17969
; OTHER INFORMATION: 3'regulatory region
; NAME/KEY: allele
; LOCATION: 1239
; OTHER INFORMATION: 20-828-311 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 12347
; OTHER INFORMATION: 17-42-319 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 15241
; OTHER INFORMATION: 17-41-250 : polymorphic base C or T
; NAME/KEY: allele

; LOCATION: 42218
; OTHER INFORMATION: 20-841-149 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 45442
; OTHER INFORMATION: 20-842-115 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 77058
; OTHER INFORMATION: 20-853-415 : polymorphic base C or T
; NAME/KEY: primer_bind
; LOCATION: 929..949
; OTHER INFORMATION: 20-828.pu
; NAME/KEY: primer_bind
; LOCATION: 1357..1377
; OTHER INFORMATION: 20-828.rp complement
; NAME/KEY: primer_bind
; LOCATION: 12029..12050
; OTHER INFORMATION: 17-42.pu
; NAME/KEY: primer_bind
; LOCATION: 12581..12603
; OTHER INFORMATION: 17-42.rp complement
; NAME/KEY: primer_bind
; LOCATION: 14992..15012
; OTHER INFORMATION: 17-41.pu
; NAME/KEY: primer_bind
; LOCATION: 15460..15482
; OTHER INFORMATION: 17-41.rp complement
; NAME/KEY: primer_bind
; LOCATION: 42070..42090
; OTHER INFORMATION: 20-841.pu
; NAME/KEY: primer_bind
; LOCATION: 42572..42591
; OTHER INFORMATION: 20-841.rp complement
; NAME/KEY: primer_bind
; LOCATION: 45328..45347
; OTHER INFORMATION: 20-842.pu
; NAME/KEY: primer_bind
; LOCATION: 45863..45883
; OTHER INFORMATION: 20-842.rp complement
; NAME/KEY: primer_bind
; LOCATION: 76644..76664
; OTHER INFORMATION: 20-853.pu
; NAME/KEY: primer_bind
; LOCATION: 77166..77185
; OTHER INFORMATION: 20-853.rp complement
; NAME/KEY: primer_bind
; LOCATION: 1220..1238
; OTHER INFORMATION: 20-828-311.mis
; NAME/KEY: primer_bind
; LOCATION: 1240..1258
; OTHER INFORMATION: 20-828-311.mis complement
; NAME/KEY: primer_bind
; LOCATION: 12328..12346
; OTHER INFORMATION: 17-42-319.mis
; NAME/KEY: primer_bind
; LOCATION: 12348..12366
; OTHER INFORMATION: 17-42-319.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15222..15240
; OTHER INFORMATION: 17-41-250.mis
; NAME/KEY: primer_bind
; LOCATION: 15242..15260
; OTHER INFORMATION: 17-41-250.mis complement
; NAME/KEY: primer_bind
; LOCATION: 42199..42217
; OTHER INFORMATION: 20-841-149.mis
; NAME/KEY: primer_bind
; LOCATION: 42219..42237
; OTHER INFORMATION: 20-841-149.mis complement
; NAME/KEY: primer_bind
; LOCATION: 45423..45441
; OTHER INFORMATION: 20-842-115.mis
; NAME/KEY: primer_bind
; LOCATION: 45443..45461
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; OTHER INFORMATION: 20-842-115.mis complement
; NAME/KEY: primer_bind
; LOCATION: 77039..77057
; OTHER INFORMATION: 20-853-415.mis
; NAME/KEY: primer_bind
; LOCATION: 77059..77077
; OTHER INFORMATION: 20-853-415.mis complement
; NAME/KEY: misc_binding
; LOCATION: 1227..1251
; OTHER INFORMATION: 20-828-311.probe
; NAME/KEY: misc_binding
; LOCATION: 12335..12359
; OTHER INFORMATION: 17-42-319.probe
; NAME/KEY: misc_binding
; LOCATION: 15229..15253
; OTHER INFORMATION: 17-41-250.probe
; NAME/KEY: misc_binding
; LOCATION: 42206..42230
; OTHER INFORMATION: 20-841-149.probe
; NAME/KEY: misc_binding
; LOCATION: 45430..45454
; OTHER INFORMATION: 20-842-115.probe
; NAME/KEY: misc_binding
; LOCATION: 77046..77070
; OTHER INFORMATION: 20-853-415.probe
; US-09-750-580-1
;
; Query Match
; Best Local Similarity 100.0%; Score 35; DB 4; Length 81001;
; Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 77 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 111
; Db 3067 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 3033
;
; RESULT 32
; US-09-798-096-10/c
; Sequence 10, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
; APPLICANT: Donna T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL2 EXPRESSION
; FILE REFERENCE: RYS-0207
; CURRENT APPLICATION NUMBER: US/09/7798.096
; CURRENT FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 10
; LENGTH: 99500
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; US-09-798-096-10
;
; Query Match
; Best Local Similarity 100.0%; Score 35; DB 4; Length 99500;
; Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 77 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 111
; Db 69587 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 69553
;
; RESULT 33
; US-09-305-384-6
; Sequence 6, Application US/09305384
; Patent No. 6242218
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Heartlein, Michael W.
; APPLICANT: Selden, Richard F
; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY
;
; FILE REFERENCE: 07236/017001
; CURRENT APPLICATION NUMBER: US/09/305.384
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,649
; EARLIER FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 2834
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-305-384-6
;
; Query Match
; Best Local Similarity 100.0%; Score 34; DB 4; Length 2834;
; Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 78 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 111
; Db 2692 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 2725
;
; RESULT 34
; US-09-632-098-1
; Sequence 1, Application US/09632098
; Patent No. 6420154
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Baindur, Nand
; APPLICANT: Bishop, Paul D.
; TITLE OF INVENTION: MAMMALIAN ADHESION PROTEASE PEPTIDES
; FILE REFERENCE: 99-39
; CURRENT APPLICATION NUMBER: US/09/632.098
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 3431
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (37)...(2442)
; US-09-632-098-1
;
; Query Match
; Best Local Similarity 100.0%; Score 34; DB 4; Length 3431;
; Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 77 GTGGCTCATGCTATATATCCAGCACTTTGGGA 110
; Db 3134 GTGGCTCATGCTATATATCCAGCACTTTGGGA 3167
;
; RESULT 35
; US-09-632-098-3
; Sequence 3, Application US/09632098
; Patent No. 6420154
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Baindur, Nand
; APPLICANT: Bishop, Paul D.
; TITLE OF INVENTION: MAMMALIAN ADHESION PROTEASE PEPTIDES
; FILE REFERENCE: 99-39
; CURRENT APPLICATION NUMBER: US/09/632.098
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 3468
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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NAME/KEY: CDS  
LOCATION: (37)...(2472)  
US-09-632-098-3

Query Match 2.0%; Score 34; DB 4; Length 3468;  
Best Local Similarity 100.0%; Pred. No. 2e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 GTGGCTCATGCGCTATATCCAGCACTTTGGGA 110  
Db 3171 GTGGCTCATGCGCTATATCCAGCACTTTGGGA 3204

RESULT 36  
US-08-884-324-9  
Sequence 9, Application US/08884324  
Patent No. 6060283  
GENERAL INFORMATION:  
APPLICANT: Takanori OKURA  
APPLICANT: Kakuji TORIGOE  
APPLICANT: Masahiro KURIMOTO  
TITLE OF INVENTION: GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE  
OF INDUCING THE PRODUCTION OF INTERFERON-  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/884,324  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 185,305/96  
FILING DATE: 27-JUN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: BROWDY, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: OKURA-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4773 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: Genomic DNA  
ORGANISM: human  
TISSUE TYPE: placenta  
FEATURE:

NAME/KEY: intron  
LOCATION: 1..4773  
IDENTIFICATION METHOD: E  
US-08-884-324-9

Query Match 2.0%; Score 34; DB 3; Length 4773;  
Best Local Similarity 100.0%; Pred. No. 2e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTGGCTCATGCGCTATATCCAGCACTTTGGGAG 111  
Db 1979 GTGGCTCATGCGCTATATCCAGCACTTTGGGAG 2012

NAME/KEY: CDS  
LOCATION: (37)...(2472)  
US-09-242-948-3/c

Query Match 2.0%; Score 34; DB 4; Length 5789;  
Best Local Similarity 100.0%; Pred. No. 2e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 153 AGCGTGGCCCAACATGGTGAACCCCTATCTCTACT 186  
Db 401 AGCGTGGCCCAACATGGTGAACCCCTATCTCTACT 368

RESULT 37  
US-09-242-948-3/c  
Sequence 3, Application US/09242948  
Patent No. 6252057  
GENERAL INFORMATION:  
APPLICANT: Brady, Matthew J  
Pritcen, John A  
Saltiel, Alan R  
Warner-Lambert Company,  
(Outside USA)  
TITLE OF INVENTION: Protein Targeting to Glycogen  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Warner-Lambert Company  
STREET: 201 Tabor Road  
CITY: Morris Plains  
STATE: NJ  
COUNTRY: US  
ZIP: 07950

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/242,948  
FILING DATE: 25-Feb-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/025,107  
FILING DATE: 30-AUG-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Ashbrook, Charles W  
REFERENCE/DOCKET NUMBER: 5485-01-CA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 313 996-5215  
TELEFAX: 313 996-1553  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5789 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 4238..5176  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-242-948-3

Query Match 2.0%; Score 34; DB 4; Length 5789;  
Best Local Similarity 100.0%; Pred. No. 2e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 153 AGCGTGGCCCAACATGGTGAACCCCTATCTCTACT 186  
Db 401 AGCGTGGCCCAACATGGTGAACCCCTATCTCTACT 368

RESULT 38  
US-08-884-324-13  
Sequence 13, Application US/08884324  
Patent No. 6060283  
GENERAL INFORMATION:  
APPLICANT: Takanori OKURA  
APPLICANT: Kakuji TORIGOE  
APPLICANT: Masahiro KURIMOTO  
TITLE OF INVENTION: GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE  
OF INDUCING THE PRODUCTION OF INTERFERON-  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/884,324  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 185,305/96  
FILING DATE: 27-JUN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: BROWDY, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: OKURA-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11464 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: Genomic DNA  
ORIGINAL SOURCE:  
ORGANISM: human  
TISSUE TYPE: placenta  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..3  
IDENTIFICATION METHOD: E  
NAME/KEY: leader peptide  
LOCATION: 4..82  
IDENTIFICATION METHOD: S  
NAME/KEY: intron  
LOCATION: 83..1453  
IDENTIFICATION METHOD: E  
NAME/KEY: leader peptide  
LOCATION: 1454..1465  
IDENTIFICATION METHOD: S  
NAME/KEY: intron  
LOCATION: 1466..4848  
IDENTIFICATION METHOD: E  
NAME/KEY: leader peptide  
LOCATION: 4849..4865  
IDENTIFICATION METHOD: S  
NAME/KEY: mat peptide  
LOCATION: 4866..4983  
IDENTIFICATION METHOD: S  
NAME/KEY: intron  
LOCATION: 4984..6317  
IDENTIFICATION METHOD: E  
NAME/KEY: mat peptide  
LOCATION: 6318..6451  
IDENTIFICATION METHOD: S  
NAME/KEY: intron  
LOCATION: 6452..11224  
IDENTIFICATION METHOD: E  
NAME/KEY: mat peptide  
LOCATION: 11225..11443  
IDENTIFICATION METHOD: S  
NAME/KEY: 3'UTR  
LOCATION: 11444..11464  
IDENTIFICATION METHOD: E

US-08-884-324-13

Query Match 2.0%; Score 34; DB 3; Length 11464;  
Best Local Similarity 100.0%; Pred. No. 1.9e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 78 GTGGCTCATGCTATATAATCCAGCAGCACTTTGGGAG 111  
|||||  
Db 8430 GTGGCTCATGCTATATAATCCAGCAGCACTTTGGGAG 8463  
|||||  
RESULT 39  
US-09-087-465-3/c  
; Sequence 3, Application US/09087465A  
; Patent No. 6160092  
; GENERAL INFORMATION:  
; APPLICANT: Vinkemeier, Uwe  
; APPLICANT: Chen, Xiaomin  
; APPLICANT: Darnell Jr., James E  
; APPLICANT: Kuriyan, John  
; TITLE OF INVENTION: A CRYSTAL OF THE CORE PORTION OF A STAT AND METHODS OF  
; TITLE OF INVENTION: USE  
; FILE REFERENCE: 600-1-229  
; CURRENT APPLICATION NUMBER: US/09/087,465A  
; CURRENT FILING DATE: 1998-05-29  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 17949  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-087-465-3  
Query Match 2.0%; Score 34; DB 4; Length 17949;  
Best Local Similarity 100.0%; Pred. No. 1.8e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 78 GTGGCTCATGCTATATAATCCAGCAGCACTTTGGGAG 111  
|||||  
Db 17855 GTGGCTCATGCTATATAATCCAGCAGCACTTTGGGAG 17822  
|||||

RESULT 40  
US-08-884-324-14  
; Sequence 14, Application US/08884324  
; Patent No. 6060283  
; GENERAL INFORMATION:  
; APPLICANT: Takanori OKURA  
; APPLICANT: Kakuji TORIGOE  
; APPLICANT: Masahiro KURIMOTO  
; TITLE OF INVENTION: GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE  
; NUMBER OF SEQUENCES: 35  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/884,324  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 185,305/96  
; FILING DATE: 27-JUN-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BROWDY, Roger L.

; REGISTRATION NUMBER: 25,618  
; REFERENCE/DOCKET NUMBER: OKURA-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-628-5197  
; TELEFAX: 202-737-3528  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28994 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: Genomic DNA  
; ORIGINAL SOURCE:  
; ORGANISM: human  
; TISSUE TYPE: Placenta  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: 1..15606  
; IDENTIFICATION METHOD: E  
; NAME/KEY: leader peptide  
; LOCATION: 15607..15685  
; IDENTIFICATION METHOD: S  
; NAME/KEY: intron  
; LOCATION: 15686..17056  
; IDENTIFICATION METHOD: E  
; NAME/KEY: leader peptide  
; LOCATION: 17057..17068  
; IDENTIFICATION METHOD: S  
; NAME/KEY: intron  
; LOCATION: 17069..20451  
; IDENTIFICATION METHOD: E  
; NAME/KEY: leader peptide  
; LOCATION: 20452..20468  
; IDENTIFICATION METHOD: S  
; NAME/KEY: mat peptide  
; LOCATION: 20469..20586  
; IDENTIFICATION METHOD: S  
; NAME/KEY: intron  
; LOCATION: 20587..21920  
; IDENTIFICATION METHOD: E  
; NAME/KEY: mat peptide  
; LOCATION: 21921..22054  
; IDENTIFICATION METHOD: S  
; NAME/KEY: intron  
; LOCATION: 22055..26827  
; IDENTIFICATION METHOD: E  
; NAME/KEY: mat peptide  
; LOCATION: 26828..27046  
; IDENTIFICATION METHOD: S  
; NAME/KEY: 3'UTR  
; LOCATION: 27047..28994  
; IDENTIFICATION METHOD: E  
; US-08-884-324-14

Query Match 2.0%; Score 34; DB 3; Length 28994;  
Best Local Similarity 100.0%; Pred. No. 1.7e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 111  
|||||  
Db 24033 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 24066

RESULT 41  
US-09-813-817-3  
; Sequence 3, Application US/09813817  
; Patent No. 6340583  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: CL001178

; CURRENT APPLICATION NUMBER: US/09/813,817  
; CURRENT FILING DATE: 2001-03-22  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 59065  
; TYPE: DNA  
; ORGANISM: Human  
; US-09-813-817-3

Query Match 2.0%; Score 34; DB 4; Length 59065;  
Best Local Similarity 100.0%; Pred. No. 1.6e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 111  
|||||  
Db 13652 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 13685

## RESULT 42

US-09-978-197-3  
; Sequence 3, Application US/09978197  
; Patent No. 6403353  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: CL001178DIV  
; CURRENT APPLICATION NUMBER: US/09/978,197  
; CURRENT FILING DATE: 2001-10-17  
; PRIOR APPLICATION NUMBER: 09/813,817  
; PRIOR FILING DATE: 2001-03-22  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 59065  
; TYPE: DNA  
; ORGANISM: Human  
; US-09-978-197-3

Query Match 2.0%; Score 34; DB 4; Length 59065;  
Best Local Similarity 100.0%; Pred. No. 1.6e-05;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 111  
|||||  
Db 13652 GTGGCTCATGCTATATATCCAGCACTTTGGGAG 13685

## RESULT 43

US-09-345-882-1  
; Sequence 1, Application US/09345882  
; Patent No. 6399373  
; GENERAL INFORMATION:  
; APPLICANT: Bougueleret, Lydie  
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-  
; FILE REFERENCE: GENSET.031A  
; CURRENT APPLICATION NUMBER: US/09/345,882  
; CURRENT FILING DATE: 1999-06-30  
; PRIOR APPLICATION NUMBER: US 60/091,315  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/111,909  
; PRIOR FILING DATE: 1998-12-10  
; NUMBER OF SEQ ID NOS: 140  
; SOFTWARE: Patent.pm  
; SEQ ID NO 1  
; LENGTH: 162450  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: allele

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,
, LOCATION: 72794
, OTHER INFORMATION: 5-124-273 : polymorphic base A or G
, FEATURE:
, NAME/KEY: allele
, LOCATION: 88073
, OTHER INFORMATION: 5-127-261 : polymorphic base A or C
, FEATURE:
, NAME/KEY: allele
, LOCATION: 90842
, OTHER INFORMATION: 99-1437-325 : polymorphic base A or G
, FEATURE:
, NAME/KEY: allele
, LOCATION: 93714
, OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT
, FEATURE:
, NAME/KEY: allele
, LOCATION: 97122
, OTHER INFORMATION: 99-1442-224 : polymorphic base G or T
, FEATURE:
, NAME/KEY: allele
, LOCATION: 97152
, OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T
, FEATURE:
, NAME/KEY: allele
, LOCATION: 99098
, OTHER INFORMATION: 5-130-257 : polymorphic base A or G
, FEATURE:
, NAME/KEY: allele
, LOCATION: 99117
, OTHER INFORMATION: 5-130-276 : polymorphic base A or G
, FEATURE:
, NAME/KEY: allele
, LOCATION: 103806
, OTHER INFORMATION: 5-131-395 : polymorphic base A or T
, FEATURE:
, NAME/KEY: allele
, LOCATION: 106940
, OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A
, FEATURE:
, NAME/KEY: allele
, LOCATION: 108106
, OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A
, FEATURE:
, NAME/KEY: allele
, LOCATION: 108149
, OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT
, FEATURE:
, NAME/KEY: allele
, LOCATION: 108308
, OTHER INFORMATION: 5-135-357 : polymorphic base A or G
, FEATURE:
, NAME/KEY: allele
, LOCATION: 108471
, OTHER INFORMATION: 5-136-174 : polymorphic base C or T
, FEATURE:
, NAME/KEY: allele
, LOCATION: 134134
, OTHER INFORMATION: 5-140-120 : polymorphic base C or T
, FEATURE:
, NAME/KEY: allele
, LOCATION: 134362
, OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
, FEATURE:
, NAME/KEY: allele
, LOCATION: 134374
, OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA
, FEATURE:
, NAME/KEY: allele
, LOCATION: 146328
, OTHER INFORMATION: 5-143-84 : polymorphic base A or G
, FEATURE:
, NAME/KEY: allele
, LOCATION: 146345
,
, OTHER INFORMATION: 5-143-101 : polymorphic base A or C
, FEATURE:
, NAME/KEY: allele
, LOCATION: 150329
, OTHER INFORMATION: 5-145-24 : polymorphic base A or G
, FEATURE:
, NAME/KEY: allele
, LOCATION: 160031
, OTHER INFORMATION: 5-148-352 : polymorphic base G or T
, FEATURE:
, NAME/KEY: allele
, LOCATION: 72771..72817
, OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30
, FEATURE:
, NAME/KEY: allele
, LOCATION: 72771..72817
, OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
, FEATURE:
, NAME/KEY: allele
, LOCATION: 88050..88096
, OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
, FEATURE:
, NAME/KEY: allele
, LOCATION: 88050..88096
, OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52
, FEATURE:
, NAME/KEY: allele
, LOCATION: 90819..90865
, OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
, FEATURE:
, NAME/KEY: allele
, LOCATION: 90819..90865
, OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
, FEATURE:
, NAME/KEY: allele
, LOCATION: 93690..93736
, OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32
, FEATURE:
, NAME/KEY: allele
, LOCATION: 97099..97145
, OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
, FEATURE:
, NAME/KEY: allele
, LOCATION: 97099..97145
, OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71
, FEATURE:
, NAME/KEY: allele
, LOCATION: 97130..97177
, OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
, FEATURE:
, NAME/KEY: allele
, LOCATION: 97130..97177
, OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
, FEATURE:
, NAME/KEY: allele
, LOCATION: 99075..99121
, OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
, FEATURE:
, NAME/KEY: allele
, LOCATION: 99075..99121
, OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
, FEATURE:
, NAME/KEY: allele
, LOCATION: 99094..99140
, OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
, FEATURE:
, NAME/KEY: allele
, LOCATION: 99094..99140
, OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56
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;
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
; FEATURE:

Query Match          2.0%; Score 34; DB 4; Length 162450;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 204 GAGGTGGTGGCACACCTGTATCCAGCTACT 237
Db 125653 GAGGTGGTGGCACACCTGTATCCAGCTACT 125686

RESULT 44
US-08-991-789A-15/c
; Sequence 15, Application US/08991789A
; Patent No. 6225054
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; Smith, John M.
; Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF BREAST CANCER
; NUMBER OF SEQUENCES: 292
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Seed IP Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/991,789A
; FILING DATE: 11-Dec-1997
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
```

```
;
; REFERENCE/DOCKET NUMBER: 210121.419C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-08-991-789A-15

Query Match          1.9%; Score 32; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 0.00016;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 AGCATTGGGAGCCTGAGTGGTGGATCAC 130
Db 483 AGCATTGGGAGCCTGAGTGGTGGATCAC 452

RESULT 45
US-09-062-451-15/c
; Sequence 15, Application US/09062451
; Patent No. 6344550
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; Smith, John M.
; Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF BREAST CANCER
; NUMBER OF SEQUENCES: 297
; CORRESPONDENCE ADDRESS:
; ADDRESSER: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/062.451
; FILING DATE: 04-APR-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MAKI, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.419C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-062-451-15

Query Match          1.9%; Score 32; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 0.00016;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 AGCATTGGGAGCCTGAGTGGTGGATCAC 130
Db 483 AGCATTGGGAGCCTGAGTGGTGGATCAC 452
```

## RESULT 46

US-09-598-326-15/c  
; Sequence 15, Application US/09598326  
; Patent No. 6423496  
; GENERAL INFORMATION:  
; APPLICANT: Fridakis, Tony N.  
; Smith, John M.  
; Read, Steven G.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE  
; TREATMENT AND DIAGNOSIS OF BREAST CANCER  
; NUMBER OF SEQUENCES: 247  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Seed Intellectual Property Law Group PLLC  
; STREET: 701 Fifth Avenue, Suite 6300  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104-7092  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/598,326  
; FILING DATE: 20-Jun-2000  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Potter, Jane E.R.  
; REGISTRATION NUMBER: 33,332  
; REFERENCE/DOCKET NUMBER: 210121.419D1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 548 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
US-09-598-326-15

Query Match 1.9%; Score 32; DB 4; Length 548;  
Best Local Similarity 100.0%; Pred. No. 0.00016;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 AGCACTTGGAGCCTGAGGTGGTGATCAC 130  
|||||  
DB 483 AGCACTTGGAGCCTGAGGTGGTGATCAC 452

## RESULT 47

US-09-039-555B-19/c  
; Sequence 19, Application US/09039555B  
; Patent No. 6033856  
; GENERAL INFORMATION:  
; APPLICANT: Koerner, Kathrin  
; APPLICANT: Mueller, Rolf  
; APPLICANT: Sadlaczek, Hans-Harald  
; TITLE OF INVENTION: PROMOTER OF THE CDC25B GENE, ITS  
; PREPARATION AND USE  
; NUMBER OF SEQUENCES: 19  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 3000 K Street, N.W., Suite 500  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/039,555B  
; FILING DATE: 16-MAR-1998  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: DE 19710643.9  
; FILING DATE: 14-MAR-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bent, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 016779/0131  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202)672-5300  
; TELEFAX: (202)672-5399  
; TELEX: 904136  
; INFORMATION FOR SEQ ID NO: 19:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2000 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-09-039-555B-19

Query Match 1.9%; Score 32; DB 3; Length 2000;  
Best Local Similarity 100.0%; Pred. No. 0.00015;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 207 GTGGTGGCACACCTGTAATCCAGCTACTT 238  
|||||  
DB 913 GTGGTGGCACACCTGTAATCCAGCTACTT 882

## RESULT 48

US-09-851-896-3/c  
; Sequence 3, Application US/09851896  
; Patent No. 6410325  
; GENERAL INFORMATION:  
; APPLICANT: Susan M. Bennett  
; APPLICANT: Andrew T. Watt  
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEP  
; FILE REFERENCE: RTS-0220  
; CURRENT APPLICATION NUMBER: US/09/851,896  
; CURRENT FILING DATE: 2001-05-08  
; NUMBER OF SEQ ID NOS: 89  
; SEQ ID NO 3  
; LENGTH: 70000  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
US-09-851-896-3

Query Match 1.9%; Score 32; DB 4; Length 70000;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 80 GGCTCATGCTATATCCAGCAGCTTTGGGAG 111  
|||||  
DB 29902 GGCTCATGCTATATCCAGCAGCTTTGGGAG 29871

## RESULT 49

US-09-128-155-17  
; Sequence 17, Application US/09128155  
; Patent No. 6117654  
; GENERAL INFORMATION:  
; APPLICANT: Pan, Yang  
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY  
; TITLE OF INVENTION: AND USES THEREOF

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; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; CURRENT FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 176373
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17

Query Match      1.9%; Score 32; DB 3; Length 176373;
Best Local Similarity 100.0%; Pred. No. 0.0001;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      80  GGCTCATGCTATAATCCAGCACTTTGGGAG 111
        ||||||||||||||||||||||||||||||||
Db       127041 GGCTCATGCTATAATCCAGCACTTTGGGAG 127072

RESULT 50
US-09-183-266A-12/c
; Sequence 12, Application US/09183266A
; Patent No. 6361954
; GENERAL INFORMATION:
; APPLICANT: Stillman, Bruce
; APPLICANT: Williams, R. Sanders
; APPLICANT: Menges, Juan
; TITLE OF INVENTION: DNA REPLICATION-REGULATING GENES.
; FILE REFERENCE: CSHL96-01A3
; CURRENT APPLICATION NUMBER: US/09/183,266A
; CURRENT FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: PCT/US97/07333
; PRIOR FILING DATE: 1997-05-02
; PRIOR APPLICATION NUMBER: 08/648,650
; PRIOR FILING DATE: 1996-05-15
; PRIOR APPLICATION NUMBER: 08/643,034
; PRIOR FILING DATE: 1996-05-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: H. sapiens
US-09-183-266A-12

Query Match      1.8%; Score 31; DB 4; Length 1210;
Best Local Similarity 100.0%; Pred. No. 0.0004;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      81  GCTCATGCTATAATCCAGCACTTTGGGAG 111
        ||||||||||||||||||||||||||||||||
Db       160  GCTCATGCTATAATCCAGCACTTTGGGAG 130

Search completed: June 14, 2003, 13:11:00
Job time : 123 secs
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 13:03:29 ; Search time 288 Seconds  
(without alignments)  
8447.021 Million cell updates/sec

Title: US-09-942-310-2

Perfect score: 1680

Sequence: 1 gaattcaagaccagctgga.....catcttcgtctcctgtag 1680

Scoring table: OLIGO\_NUC

Gapop 60.0 , Gapext 60.0

Searched: 1029858 seqs, 724030393 residues

Word size : 15

*by more*

Total number of hits satisfying chosen parameters: 142070

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Published\_Applications\_NA:  
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2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*  
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6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*  
7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*  
8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*  
10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*  
11: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*  
12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*  
13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1680	100.0	1680	9	US-09-942-310-2
2	1338	79.6	9432	9	US-09-942-310-1
3	1338	79.6	9432	9	US-10-209-737-1
4	1338	79.6	9433	9	US-10-209-737-2
c 5	50	3.0	32194	9	US-09-764-891-7028
c 6	49	2.9	32177	9	US-09-764-891-6967
c 7	49	2.9	32177	10	US-09-764-877-3251
c 8	48	2.9	65464	9	US-09-859-888-3
c 9	47	2.8	456	9	US-09-918-995-29267
c 10	47	2.8	776	10	US-09-728-711-7
c 11	46	2.7	133893	9	US-10-161-510-1
c 12	44	2.6	119596	9	US-10-270-336-3
c 13	44	2.6	122186	9	US-09-563-728A-36
c 14	43	2.6	58837	10	US-09-982-091A-5
c 15	43	2.6	98829	9	US-10-017-724-3
c 16	42	2.5	397	10	US-09-867-701-8121
c 17	42	2.5	24977	9	US-09-764-891-5951
c 18	42	2.5	24977	9	US-09-764-891-8476
c 19	42	2.5	24983	9	US-09-764-891-5950
1	1680	100.0	1680	9	US-09-942-310-2
2	1338	79.6	9432	9	US-09-942-310-1
3	1338	79.6	9432	9	US-10-209-737-1
4	1338	79.6	9433	9	US-10-209-737-2
c 5	50	3.0	32194	9	US-09-764-891-7028
c 6	49	2.9	32177	9	US-09-764-891-6967
c 7	49	2.9	32177	10	US-09-764-877-3251
c 8	48	2.9	65464	9	US-09-859-888-3
c 9	47	2.8	456	9	US-09-918-995-29267
c 10	47	2.8	776	10	US-09-728-711-7
c 11	46	2.7	133893	9	US-10-161-510-1
c 12	44	2.6	119596	9	US-10-270-336-3
c 13	44	2.6	122186	9	US-09-563-728A-36
c 14	43	2.6	58837	10	US-09-982-091A-5
c 15	43	2.6	98829	9	US-10-017-724-3
c 16	42	2.5	397	10	US-09-867-701-8121
c 17	42	2.5	24977	9	US-09-764-891-5951
c 18	42	2.5	24977	9	US-09-764-891-8476
c 19	42	2.5	24983	9	US-09-764-891-5950

20	42	2.5	24983	9	US-09-764-891-8475	Sequence 8475, Ap
c 21	42	2.5	302250	10	US-09-962-832-154	Sequence 154, Ap
22	41	2.4	400	10	US-09-867-701-7324	Sequence 7324, Ap
23	41	2.4	478	10	US-09-918-995-13851	Sequence 13851, A
24	41	2.4	2694	10	US-09-880-107-3872	Sequence 3872, Ap
25	41	2.4	3088	10	US-09-954-456-45	Sequence 45, Appl
26	41	2.4	3088	10	US-09-954-456-1621	Sequence 1621, Ap
27	41	2.4	3088	10	US-09-969-347-234	Sequence 234, Ap
c 28	41	2.4	10680	9	US-09-764-891-8367	Sequence 8367, Ap
c 29	41	2.4	15500	10	US-10-074-095-1091	Sequence 1091, Ap
c 30	41	2.4	15500	10	US-09-764-860-1091	Sequence 1091, Ap
c 31	41	2.4	16552	9	US-10-072-349-321	Sequence 321, Ap
c 32	41	2.4	16552	9	US-10-072-349-322	Sequence 322, Ap
c 33	41	2.4	16552	10	US-09-764-855-321	Sequence 321, Ap
c 34	41	2.4	16552	10	US-09-764-855-322	Sequence 322, Ap
c 35	41	2.4	18878	10	US-09-764-877-3806	Sequence 3806, Ap
c 36	41	2.4	27062	9	US-09-764-891-8034	Sequence 8034, Ap
37	41	2.4	57130	10	US-09-835-081-3	Sequence 3, Appl1
38	41	2.4	58837	10	US-09-982-091A-5	Sequence 5, Appl1
c 39	41	2.4	58985	9	US-09-901-152-3	Sequence 3, Appl1
c 40	41	2.4	65464	9	US-09-859-888-3	Sequence 3, Appl1
c 41	41	2.4	76798	10	US-09-880-107-3949	Sequence 3949, Ap
c 42	41	2.4	111282	12	US-10-094-989-3	Sequence 3, Appl1
43	41	2.4	123526	9	US-09-910-185-11	Sequence 11, Appl1
c 44	41	2.4	126512	10	US-09-804-474A-3	Sequence 3, Appl1
c 45	41	2.4	145831	10	US-09-969-708-79	Sequence 79, Appl1
c 46	41	2.4	145831	10	US-09-954-456-2116	Sequence 2116, Ap
c 47	40	2.4	470	10	US-09-880-107-832	Sequence 832, Ap
c 48	40	2.4	1516	9	US-10-091-572-882	Sequence 882, Ap
c 49	40	2.4	1516	9	US-10-091-572-883	Sequence 883, Ap
c 50	40	2.4	1516	9	US-09-764-891-9335	Sequence 9335, Ap
c 51	40	2.4	1516	9	US-09-764-891-9336	Sequence 9336, Ap
c 52	40	2.4	2791	10	US-09-729-674-51	Sequence 51, Appl1
c 53	40	2.4	5815	10	US-10-092-154-1487	Sequence 1487, Ap
c 54	40	2.4	7373	10	US-09-764-847-1487	Sequence 1487, Ap
c 55	40	2.4	9668	10	US-09-764-853-896	Sequence 896, Ap
c 56	40	2.4	9668	10	US-09-764-877-2718	Sequence 2718, Ap
c 57	40	2.4	10322	9	US-09-764-868-1471	Sequence 1471, Ap
c 58	40	2.4	10678	9	US-09-764-891-7832	Sequence 7832, Ap
c 59	40	2.4	13069	9	US-10-091-504-1850	Sequence 1850, Ap
c 60	40	2.4	13069	10	US-09-764-869-1850	Sequence 1850, Ap
c 61	40	2.4	20645	9	US-09-764-891-8043	Sequence 8043, Ap
c 62	40	2.4	22756	9	US-10-091-572-473	Sequence 473, Ap
c 63	40	2.4	22756	9	US-09-764-891-6609	Sequence 6609, Ap
c 64	40	2.4	27377	10	US-09-816-248-18	Sequence 18, Appl1
c 65	40	2.4	28770	10	US-09-817-198A-3	Sequence 3, Appl1
c 66	40	2.4	32203	9	US-10-091-504-1849	Sequence 1849, Ap
c 67	40	2.4	32203	10	US-09-764-869-1849	Sequence 1849, Ap
c 68	40	2.4	51719	10	US-09-918-686-2	Sequence 2, Appl1
c 69	40	2.4	84539	10	US-09-962-436-36	Sequence 36, Appl1
c 70	40	2.4	92139	10	US-09-918-686-1	Sequence 1, Appl1
c 71	40	2.4	110096	10	US-09-563-728A-36	Sequence 36, Appl1
c 72	40	2.4	122186	9	US-09-563-728A-36	Sequence 36, Appl1
73	40	2.4	183337	9	US-10-020-141-5	Sequence 5, Appl1
74	39	2.3	349	10	US-09-764-877-2735	Sequence 2735, Ap
75	39	2.3	435	10	US-09-764-877-2736	Sequence 2736, Ap
c 76	39	2.3	1788	10	US-09-822-830A-569	Sequence 569, Ap
c 77	39	2.3	8082	9	US-10-074-095-1106	Sequence 1106, Ap
c 78	39	2.3	8082	10	US-09-764-860-1106	Sequence 1106, Ap
c 79	39	2.3	9371	9	US-09-764-891-10134	Sequence 10134, A
c 80	39	2.3	32190	9	US-10-091-504-2209	Sequence 2209, Ap
c 81	39	2.3	32190	10	US-09-764-869-2209	Sequence 2209, Ap
c 82	38	2.3	336	9	US-09-764-891-7790	Sequence 7790, Ap
c 83	38	2.3	336	9	US-09-764-891-7791	Sequence 7791, Ap
c 84	38	2.3	26048	9	US-10-091-504-1556	Sequence 1556, Ap
c 85	38	2.3	26048	10	US-09-764-869-1556	Sequence 1556, Ap
c 86	38	2.3	143068	10	US-09-967-768A-316	Sequence 316, Ap
c 87	38	2.3	167343	10	US-09-962-436-281	Sequence 281, Ap
c 88	38	2.3	167343	10	US-09-964-824A-273	Sequence 273, Ap
c 89	37	2.2	293	10	US-09-764-877-376	Sequence 376, Ap
c 90	37	2.2	429	9	US-09-764-891-6378	Sequence 6378, Ap
c 91	37	2.2	438	10	US-09-867-701-5962	Sequence 5962, Ap
c 92	37	2.2	468	9	US-09-918-995-8941	Sequence 8941, Ap

c 93	37	2.2	643	9	US-10-092-154-1024	Sequence 1024, Ap	166	35	2.1	1780	10	US-09-764-860-773	Sequence 773, App
c 94	37	2.2	643	10	US-09-764-847-1024	Sequence 1024, Ap	167	35	2.1	1988	9	US-10-091-504-1788	Sequence 1788, Ap
c 95	37	2.2	1174	10	US-09-764-877-2611	Sequence 2611, Ap	168	35	2.1	1988	9	US-09-764-869-1788	Sequence 1788, Ap
c 96	37	2.2	5797	9	US-09-764-891-6093	Sequence 6093, Ap	169	35	2.1	3073	9	US-10-245-103-77	Sequence 77, Appl
c 97	37	2.2	8040	9	US-09-764-891-8231	Sequence 8231, Ap	170	35	2.1	3073	9	US-10-245-107-77	Sequence 77, Appl
c 98	37	2.2	8220	10	US-09-764-891-8231	Sequence 8231, Ap	171	35	2.1	3073	9	US-10-245-143-77	Sequence 77, Appl
c 99	37	2.2	1469	10	US-09-764-877-2791	Sequence 3, Appl	172	35	2.1	3073	9	US-10-245-143-77	Sequence 77, Appl
c 100	37	2.2	14581	9	US-10-216-373-4	Sequence 4, Appl	173	35	2.1	3073	9	US-10-245-771-77	Sequence 77, Appl
c 101	37	2.2	16892	9	US-09-764-872-642	Sequence 642, App	174	35	2.1	3073	9	US-10-245-851-77	Sequence 77, Appl
c 102	37	2.2	22484	10	US-09-875-114-2	Sequence 2, Appl	175	35	2.1	3073	9	US-10-245-883-77	Sequence 77, Appl
c 103	37	2.2	22484	10	US-09-880-107-3341	Sequence 3341, Ap	176	35	2.1	3073	9	US-10-237-535-77	Sequence 77, Appl
c 104	37	2.2	26657	10	US-09-810-673A-3	Sequence 3, Appl	177	35	2.1	3073	9	US-10-238-183-77	Sequence 77, Appl
c 105	37	2.2	32189	9	US-09-764-891-7358	Sequence 7358, Ap	178	35	2.1	3073	9	US-10-238-283-77	Sequence 77, Appl
c 106	37	2.2	32221	9	US-09-764-872-663	Sequence 663, App	179	35	2.1	3073	9	US-10-238-370-77	Sequence 77, Appl
c 107	37	2.2	35465	9	US-10-161-572-6	Sequence 6, Appl	180	35	2.1	3073	9	US-10-245-055-77	Sequence 77, Appl
c 108	37	2.2	36991	9	US-10-161-572-8	Sequence 7, Appl	181	35	2.1	3073	9	US-10-245-147-77	Sequence 77, Appl
c 109	37	2.2	60153	9	US-10-223-334-7	Sequence 8, Appl	182	35	2.1	3073	9	US-10-245-730-77	Sequence 77, Appl
c 110	37	2.2	80246	9	US-09-728-552-4	Sequence 4, Appl	183	35	2.1	3073	9	US-10-245-739-77	Sequence 77, Appl
c 111	37	2.2	80595	9	US-09-728-552-3	Sequence 3, Appl	184	35	2.1	3073	9	US-10-246-210-77	Sequence 77, Appl
c 112	37	2.2	174424	10	US-09-967-768A-314	Sequence 314, App	185	35	2.1	3073	9	US-10-243-095-77	Sequence 77, Appl
c 113	37	2.2	1691139	9	US-10-067-514-1	Sequence 1, Appl	186	35	2.1	3073	9	US-10-243-024-77	Sequence 77, Appl
c 114	36	2.1	323	10	US-09-867-701-9244	Sequence 9244, Ap	187	35	2.1	3073	9	US-10-243-033-77	Sequence 77, Appl
c 115	36	2.1	358	9	US-09-803-719-1417	Sequence 1417, Ap	188	35	2.1	3073	9	US-10-245-621-77	Sequence 77, Appl
c 116	36	2.1	384	10	US-09-867-701-7719	Sequence 7719, Ap	189	35	2.1	3073	9	US-10-245-880-77	Sequence 77, Appl
c 117	36	2.1	470	9	US-09-918-995-33567	Sequence 33567, A	190	35	2.1	3073	9	US-10-243-095-77	Sequence 77, Appl
c 118	36	2.1	471	10	US-09-867-701-819	Sequence 819, App	191	35	2.1	3073	9	US-10-245-185-77	Sequence 77, Appl
c 119	36	2.1	1282	10	US-09-822-830A-319	Sequence 319, App	192	35	2.1	3073	9	US-10-245-427-77	Sequence 77, Appl
c 120	36	2.1	4457	10	US-09-764-877-3682	Sequence 3682, Ap	193	35	2.1	3073	9	US-10-245-473-77	Sequence 77, Appl
c 121	36	2.1	10198	9	US-09-764-891-8743	Sequence 8743, Ap	194	35	2.1	3073	9	US-10-245-770-77	Sequence 77, Appl
c 122	36	2.1	10198	9	US-09-764-891-8744	Sequence 8744, Ap	195	35	2.1	3073	9	US-10-245-877-77	Sequence 77, Appl
c 123	36	2.1	19616	10	US-09-764-877-3220	Sequence 3220, Ap	196	35	2.1	3073	9	US-10-246-976-77	Sequence 77, Appl
c 124	36	2.1	20522	10	US-09-764-877-3774	Sequence 3774, Ap	197	35	2.1	3073	9	US-10-243-320-77	Sequence 77, Appl
c 125	36	2.1	22635	9	US-09-764-891-9891	Sequence 9891, Ap	198	35	2.1	3073	9	US-10-242-743-77	Sequence 77, Appl
c 126	36	2.1	23071	10	US-09-764-864-1673	Sequence 1673, Ap	199	35	2.1	3073	9	US-10-242-845-77	Sequence 77, Appl
c 127	36	2.1	28818	10	US-09-764-877-2266	Sequence 2266, Ap	200	35	2.1	3073	9	US-10-237-636-77	Sequence 77, Appl
c 128	36	2.1	30013	10	US-09-764-877-3297	Sequence 3297, Ap	201	35	2.1	3073	9	US-10-238-325-77	Sequence 77, Appl
c 129	36	2.1	32216	9	US-09-764-891-9613	Sequence 9613, Ap	202	35	2.1	3073	9	US-10-238-346-77	Sequence 77, Appl
c 130	36	2.1	49744	10	US-09-927-091-4	Sequence 4, Appl	203	35	2.1	3073	9	US-10-238-411-77	Sequence 77, Appl
c 131	36	2.1	52354	10	US-09-742-311-3	Sequence 3, Appl	204	35	2.1	3073	9	US-10-243-124-77	Sequence 77, Appl
c 132	36	2.1	99014	10	US-09-880-107-3428	Sequence 3428, Ap	205	35	2.1	3073	9	US-10-243-425-77	Sequence 77, Appl
c 133	36	2.1	106323	9	US-10-300-827-3	Sequence 3, Appl	206	35	2.1	3073	9	US-10-243-446-77	Sequence 77, Appl
c 134	36	2.1	106323	9	US-09-803-661-3	Sequence 3, Appl	207	35	2.1	3073	9	US-10-243-874-77	Sequence 77, Appl
c 135	36	2.1	152331	9	US-10-095-407-16	Sequence 16, Appl	208	35	2.1	4743	9	US-09-764-891-7898	Sequence 7898, Ap
c 136	36	2.1	202001	9	US-10-274-990-3	Sequence 3, Appl	209	35	2.1	4747	9	US-09-764-891-7897	Sequence 7897, Ap
c 137	36	2.1	202001	10	US-09-734-674-3	Sequence 3, Appl	210	35	2.1	5281	9	US-09-764-891-6949	Sequence 6949, Ap
c 138	35	2.1	309	10	US-09-867-701-9236	Sequence 9236, Ap	211	35	2.1	6040	10	US-10-074-095-1029	Sequence 1029, Ap
c 139	35	2.1	312	10	US-09-867-701-10749	Sequence 10749, A	212	35	2.1	6235	9	US-09-845-020A-5	Sequence 5, Appl
c 140	35	2.1	321	10	US-09-867-701-10735	Sequence 10735, A	213	35	2.1	6427	9	US-10-072-349-292	Sequence 292, App
c 141	35	2.1	333	9	US-09-803-719-1635	Sequence 1635, Ap	214	35	2.1	6470	9	US-09-764-855-292	Sequence 292, App
c 142	35	2.1	339	10	US-09-867-701-9343	Sequence 9343, Ap	215	35	2.1	6544	9	US-10-092-154-1544	Sequence 1544, Ap
c 143	35	2.1	374	9	US-09-803-719-1634	Sequence 1634, Ap	216	35	2.1	6544	10	US-09-764-847-1544	Sequence 1544, Ap
c 144	35	2.1	378	10	US-09-867-701-7421	Sequence 7421, Ap	217	35	2.1	6679	9	US-09-845-020A-1	Sequence 1, Appl
c 145	35	2.1	386	9	US-09-918-995-37757	Sequence 37757, A	218	35	2.1	6892	10	US-09-764-877-3770	Sequence 3770, Ap
c 146	35	2.1	386	10	US-09-969-347-293	Sequence 293, App	219	35	2.1	7167	9	US-10-198-846-10407	Sequence 10407, A
c 147	35	2.1	388	10	US-09-867-701-8177	Sequence 8177, Ap	220	35	2.1	9440	9	US-09-764-891-5664	Sequence 5664, Ap
c 148	35	2.1	397	10	US-09-920-300A-1579	Sequence 1579, Ap	221	35	2.1	13274	10	US-09-764-877-2428	Sequence 2428, Ap
c 149	35	2.1	397	12	US-10-033-528-1579	Sequence 1579, Ap	222	35	2.1	13953	9	US-10-096-961-3	Sequence 3, Appl
c 150	35	2.1	413	9	US-09-918-995-37043	Sequence 37043, A	223	35	2.1	16106	10	US-09-764-877-2322	Sequence 2322, Ap
c 151	35	2.1	451	10	US-09-867-701-10468	Sequence 10468, A	224	35	2.1	18486	9	US-10-091-504-1682	Sequence 1682, Ap
c 152	35	2.1	471	9	US-09-918-995-5983	Sequence 5983, Ap	225	35	2.1	18486	9	US-09-764-869-1682	Sequence 1682, Ap
c 153	35	2.1	471	10	US-09-867-701-6782	Sequence 6782, Ap	226	35	2.1	19846	10	US-09-764-869-1683	Sequence 1683, Ap
c 154	35	2.1	494	9	US-10-198-846-13050	Sequence 13050, A	227	35	2.1	23934	9	US-09-764-891-7210	Sequence 7210, Ap
c 155	35	2.1	503	9	US-10-198-846-13321	Sequence 13321, A	228	35	2.1	23934	10	US-09-764-860-777	Sequence 777, App
c 156	35	2.1	707	9	US-10-198-846-6529	Sequence 6529, Ap	229	35	2.1	23934	10	US-09-764-877-2536	Sequence 2536, Ap
c 157	35	2.1	759	9	US-10-198-846-12349	Sequence 12349, A	230	35	2.1	24707	9	US-09-764-877-2544	Sequence 2544, Ap
c 158	35	2.1	845	9	US-10-198-846-4634	Sequence 4634, Ap	231	35	2.1	24707	10	US-09-740-027-3	Sequence 3, Appl
c 159	35	2.1	853	9	US-10-198-846-6104	Sequence 6104, Ap	232	35	2.1	27118	9	US-09-764-891-10230	Sequence 10230, A
c 160	35	2.1	874	9	US-10-198-846-5962	Sequence 5962, Ap	233	35	2.1	29629	12	US-10-135-689-3	Sequence 3, Appl
c 161	35	2.1	903	10	US-09-764-877-2956	Sequence 2956, Ap	234	35	2.1				
c 162	35	2.1	929	9	US-10-198-846-4707	Sequence 4707, Ap	235	35	2.1				
c 163	35	2.1	1779	10	US-10-074-095-774	Sequence 774, App	236	35	2.1				
c 164	35	2.1	1779	10	US-09-764-860-774	Sequence 774, App	237	35	2.1				
c 165	35	2.1	1780	9	US-10-074-095-773	Sequence 773, App	238	35	2.1				

C 239	35	2.1	31885	9	US-09-764-891-7211	Sequence 7211, Ap	312	34	2.0	3582	9	US-10-173-706-465	Sequence 465, App
240	35	2.1	31885	9	US-10-074-095-775	Sequence 775, App	313	34	2.0	3582	9	US-10-175-738-465	Sequence 465, App
241	35	2.1	31885	10	US-09-764-860-775	Sequence 775, App	314	34	2.0	3582	9	US-10-175-752-465	Sequence 465, App
C 242	35	2.1	31885	10	US-09-764-877-2530	Sequence 2530, Ap	315	34	2.0	3582	9	US-10-176-482-465	Sequence 465, App
243	35	2.1	31885	10	US-09-764-877-2541	Sequence 2541, Ap	316	34	2.0	3582	9	US-10-176-757-465	Sequence 465, App
C 244	35	2.1	32207	9	US-09-764-891-6966	Sequence 6966, Ap	317	34	2.0	3582	9	US-10-176-913-465	Sequence 465, App
C 245	35	2.1	32207	10	US-09-764-877-3250	Sequence 3250, Ap	318	34	2.0	3582	9	US-10-180-552-465	Sequence 465, App
246	35	2.1	43950	12	US-10-060-332-3	Sequence 3, Appli	319	34	2.0	3582	9	US-10-180-557-465	Sequence 465, App
247	35	2.1	48436	10	US-09-927-602-38	Sequence 38, Appli	320	34	2.0	3582	9	US-10-173-700-465	Sequence 465, App
248	35	2.1	50000	9	US-09-902-214-6	Sequence 6, Appli	321	34	2.0	3582	9	US-10-174-572-465	Sequence 465, App
249	35	2.1	63588	9	US-10-243-735-3	Sequence 3, Appli	322	34	2.0	3582	9	US-10-174-579-465	Sequence 465, App
C 250	35	2.1	63588	9	US-10-243-735-3	Sequence 3, Appli	323	34	2.0	3582	9	US-10-174-582-465	Sequence 465, App
C 251	35	2.1	65608	10	US-09-954-531-180	Sequence 180, App	324	34	2.0	3582	9	US-10-174-588-465	Sequence 465, App
C 252	35	2.1	65608	10	US-09-962-436-252	Sequence 292, App	325	34	2.0	3582	9	US-10-175-739-465	Sequence 465, App
C 253	35	2.1	65608	10	US-09-962-832-119	Sequence 119, App	326	34	2.0	3582	9	US-10-175-740-465	Sequence 465, App
C 254	35	2.1	81001	9	US-09-842-364-1	Sequence 1, Appli	327	34	2.0	3582	9	US-10-175-743-465	Sequence 465, App
C 255	35	2.1	81001	9	US-09-751-877-1	Sequence 1, Appli	328	34	2.0	3582	9	US-10-176-488-465	Sequence 465, App
256	35	2.1	90541	10	US-09-759-359A-3	Sequence 3, Appli	329	34	2.0	3582	9	US-10-176-492-465	Sequence 465, App
257	35	2.1	175561	9	US-10-017-721-3	Sequence 3, Appli	330	34	2.0	3582	9	US-10-176-747-465	Sequence 465, App
C 258	35	2.1	254366	9	US-09-822-871-3	Sequence 3, Appli	331	34	2.0	3582	9	US-10-176-750-465	Sequence 465, App
259	34	2.0	214	10	US-09-867-701-9610	Sequence 9610, Ap	332	34	2.0	3582	9	US-10-176-985-465	Sequence 465, App
C 260	34	2.0	260	9	US-09-736-457-1208	Sequence 1208, Ap	333	34	2.0	3582	9	US-10-176-987-465	Sequence 465, App
C 261	34	2.0	260	9	US-09-902-941-1208	Sequence 1208, Ap	334	34	2.0	3582	9	US-10-176-991-465	Sequence 465, App
C 262	34	2.0	260	9	US-09-849-626-1208	Sequence 1208, Ap	335	34	2.0	3582	9	US-10-176-992-465	Sequence 465, App
C 263	34	2.0	260	9	US-10-017-754-1208	Sequence 1208, Ap	336	34	2.0	3582	9	US-10-176-993-465	Sequence 465, App
264	34	2.0	293	9	US-10-091-504-498	Sequence 498, App	337	34	2.0	3582	9	US-10-184-658-465	Sequence 465, App
265	34	2.0	293	10	US-09-764-869-498	Sequence 498, App	338	34	2.0	3582	9	US-10-173-695-465	Sequence 465, App
C 266	34	2.0	356	10	US-09-867-701-3626	Sequence 3626, Ap	339	34	2.0	3582	9	US-10-173-697-465	Sequence 465, App
C 267	34	2.0	378	10	US-09-867-701-862	Sequence 862, App	340	34	2.0	3582	9	US-10-173-705-465	Sequence 465, App
C 268	34	2.0	390	9	US-09-918-995-18884	Sequence 18884, A	341	34	2.0	3582	9	US-10-174-576-465	Sequence 465, App
C 269	34	2.0	464	9	US-09-918-995-10610	Sequence 10610, A	342	34	2.0	3582	9	US-10-174-585-465	Sequence 465, App
270	34	2.0	467	9	US-09-918-995-5005	Sequence 5005, Ap	343	34	2.0	3582	9	US-10-174-586-465	Sequence 465, App
271	34	2.0	485	9	US-09-918-995-21746	Sequence 21746, A	344	34	2.0	3582	9	US-10-175-747-465	Sequence 465, App
C 272	34	2.0	490	10	US-09-783-590-1069	Sequence 1069, Ap	345	34	2.0	3582	9	US-10-176-481-465	Sequence 465, App
C 273	34	2.0	546	9	US-09-918-995-29488	Sequence 29488, A	346	34	2.0	3582	9	US-10-176-485-465	Sequence 465, App
C 274	34	2.0	725	9	US-10-198-846-6523	Sequence 6523, Ap	347	34	2.0	3582	9	US-10-176-487-465	Sequence 465, App
C 275	34	2.0	998	9	US-10-016-634A-29	Sequence 29, Appli	348	34	2.0	3582	9	US-10-176-493-465	Sequence 465, App
276	34	2.0	1022	9	US-10-091-504-2202	Sequence 2202, Ap	349	34	2.0	3582	9	US-10-176-756-465	Sequence 465, App
277	34	2.0	1022	9	US-10-091-504-2269	Sequence 2269, Ap	350	34	2.0	3582	9	US-10-176-911-465	Sequence 465, App
278	34	2.0	1022	10	US-09-764-869-2202	Sequence 2202, Ap	351	34	2.0	3582	9	US-10-176-919-465	Sequence 465, App
279	34	2.0	1022	10	US-09-764-869-2269	Sequence 2269, Ap	352	34	2.0	3582	9	US-10-176-925-465	Sequence 465, App
280	34	2.0	1042	9	US-10-092-154-1420	Sequence 1420, Ap	353	34	2.0	3582	9	US-10-176-978-465	Sequence 465, App
281	34	2.0	1042	10	US-09-764-847-1420	Sequence 1420, Ap	354	34	2.0	3582	9	US-10-179-510-465	Sequence 465, App
282	34	2.0	1094	9	US-10-023-282-42	Sequence 42, Appli	355	34	2.0	3582	9	US-10-180-543-465	Sequence 465, App
283	34	2.0	1268	10	US-09-764-877-3388	Sequence 3388, Ap	356	34	2.0	3582	9	US-10-180-544-465	Sequence 465, App
284	34	2.0	1268	10	US-09-764-877-3389	Sequence 3389, Ap	357	34	2.0	3582	9	US-10-180-546-465	Sequence 465, App
285	34	2.0	1275	9	US-10-023-282-129	Sequence 129, App	358	34	2.0	3582	9	US-10-180-547-465	Sequence 465, App
C 286	34	2.0	1529	9	US-10-074-095-897	Sequence 897, App	359	34	2.0	3582	9	US-10-180-549-465	Sequence 465, App
C 287	34	2.0	1529	9	US-10-074-095-898	Sequence 898, App	360	34	2.0	3582	9	US-10-180-555-465	Sequence 465, App
C 288	34	2.0	1529	9	US-10-074-095-899	Sequence 899, App	361	34	2.0	3582	9	US-10-180-559-465	Sequence 465, App
C 289	34	2.0	1529	9	US-10-074-095-900	Sequence 900, App	362	34	2.0	3582	9	US-10-181-000-465	Sequence 465, App
C 290	34	2.0	1529	10	US-09-764-860-897	Sequence 897, App	363	34	2.0	3582	9	US-10-183-010-465	Sequence 465, App
C 291	34	2.0	1529	10	US-09-764-860-898	Sequence 898, App	364	34	2.0	3582	9	US-10-183-012-465	Sequence 465, App
C 292	34	2.0	1529	10	US-09-764-860-899	Sequence 899, App	365	34	2.0	3582	9	US-10-184-614-465	Sequence 465, App
C 293	34	2.0	1529	10	US-09-764-860-900	Sequence 900, App	366	34	2.0	3582	9	US-10-184-623-465	Sequence 465, App
294	34	2.0	1534	9	US-10-097-065-34	Sequence 34, Appli	367	34	2.0	3582	9	US-10-184-635-465	Sequence 465, App
C 295	34	2.0	2272	9	US-09-764-891-5651	Sequence 5651, Ap	368	34	2.0	3582	9	US-10-184-637-465	Sequence 465, App
C 296	34	2.0	2271	10	US-09-764-877-2215	Sequence 2215, Ap	369	34	2.0	3582	9	US-10-184-646-465	Sequence 465, App
C 297	34	2.0	2571	10	US-09-764-877-2216	Sequence 2216, Ap	370	34	2.0	3582	9	US-10-184-647-465	Sequence 465, App
C 298	34	2.0	2571	10	US-09-764-877-2217	Sequence 2217, Ap	371	34	2.0	3582	9	US-10-184-652-465	Sequence 465, App
299	34	2.0	2761	9	US-09-764-891-9722	Sequence 9722, Ap	372	34	2.0	3582	9	US-10-187-594-465	Sequence 465, App
300	34	2.0	2834	9	US-09-845-020A-6	Sequence 6, Appli	373	34	2.0	3582	9	US-10-187-596-465	Sequence 465, App
301	34	2.0	3498	9	US-10-091-504-2204	Sequence 2204, Ap	374	34	2.0	3582	9	US-10-187-745-465	Sequence 465, App
302	34	2.0	3498	10	US-10-091-504-2271	Sequence 2271, Ap	375	34	2.0	3582	9	US-10-187-885-465	Sequence 465, App
303	34	2.0	3498	10	US-09-764-869-2204	Sequence 2204, Ap	376	34	2.0	3582	9	US-10-187-886-465	Sequence 465, App
304	34	2.0	3498	10	US-09-764-869-2271	Sequence 2271, Ap	377	34	2.0	3582	9	US-10-199-464-465	Sequence 465, App
305	34	2.0	3499	9	US-10-091-504-2203	Sequence 2203, Ap	378	34	2.0	3582	9	US-10-176-751-465	Sequence 465, App
306	34	2.0	3499	10	US-10-091-504-2270	Sequence 2270, Ap	379	34	2.0	3582	9	US-10-176-760-465	Sequence 465, App
307	34	2.0	3499	10	US-09-764-869-2203	Sequence 2203, Ap	380	34	2.0	3582	9	US-10-176-990-465	Sequence 465, App
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309	34	2.0	3582	9	US-10-174-590-465	Sequence 465, App	382	34	2.0	3582	9	US-10-180-542-465	Sequence 465, App
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532	34	2.0	3582	9	US-10-197-707-465	Sequence 465, App	605	34	2.0	3582	9	US-10-199-457-465	Sequence 465, App
533	34	2.0	3582	9	US-10-199-303-465	Sequence 465, App	606	34	2.0	3582	9	US-10-199-459-465	Sequence 465, App
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577	34	2.0	3582	9	US-10-194-395-465	Sequence 465, App	650	34	2.0	3582	9	US-10-208-021-465	Sequence 465, App
578	34	2.0	3582	9	US-10-194-424-465	Sequence 465, App	651	34	2.0	3582	9	US-10-208-022-465	Sequence 465, App
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587	34	2.0	3582	9	US-10-196-754-465	Sequence 465, App	660	34	2.0	3582	9	US-10-175-750-465	Sequence 465, App
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597	34	2.0	3582	9	US-10-198-762-465	Sequence 465, App	670	34	2.0	3582	9	US-10-201-323-465	Sequence 465, App
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599	34	2.0	3582	9	US-10-198-767-465	Sequence 465, App	672	34	2.0	3582	9	US-10-205-891-465	Sequence 465, App
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682	34	2.0	3582	9	US-10-183-003-465	Sequence 465, App	c 755	34	2.0	28588	10	US-09-764-887-399	Sequence 399, App
683	34	2.0	3582	9	US-10-183-016-465	Sequence 465, App	c 756	34	2.0	31348	9	US-10-091-504-1259	Sequence 1259, App
684	34	2.0	3582	9	US-10-125-923A-465	Sequence 465, App	c 757	34	2.0	31348	10	US-09-764-869-1259	Sequence 1259, App
685	34	2.0	3582	9	US-10-176-491-465	Sequence 465, App	c 758	34	2.0	31994	9	US-09-764-904-71	Sequence 71, Appl
686	34	2.0	3582	9	US-10-176-979-465	Sequence 465, App	c 759	34	2.0	31994	9	US-10-091-548-71	Sequence 71, Appl
687	34	2.0	3582	9	US-10-187-592-465	Sequence 465, App	c 760	34	2.0	31994	9	US-09-764-860-599	Sequence 599, App
688	34	2.0	3582	9	US-10-197-691-465	Sequence 465, App	c 761	34	2.0	32012	10	US-09-764-891-8552	Sequence 599, App
689	34	2.0	3582	9	US-10-198-771-465	Sequence 465, App	c 762	34	2.0	32012	9	US-09-764-872-518	Sequence 8552, App
690	34	2.0	3582	9	US-10-174-575A-465	Sequence 465, App	c 763	34	2.0	32152	9	US-10-072-349-328	Sequence 518, App
691	34	2.0	3582	9	US-10-179-520-465	Sequence 465, App	c 764	34	2.0	32152	9	US-10-072-349-328	Sequence 518, App
692	34	2.0	3582	9	US-10-201-325-465	Sequence 465, App	c 765	34	2.0	32152	10	US-09-764-855-328	Sequence 328, App
693	34	2.0	3582	9	US-10-202-941-465	Sequence 465, App	c 766	34	2.0	32191	9	US-09-764-891-6304	Sequence 328, App
694	34	2.0	3582	9	US-10-203-910-465	Sequence 465, App	c 767	34	2.0	32191	9	US-09-764-891-6304	Sequence 6304, App
695	34	2.0	3582	9	US-10-179-526-465	Sequence 465, App	c 768	34	2.0	32204	9	US-09-764-872-517	Sequence 7028, App
696	34	2.0	3582	9	US-10-173-701-465	Sequence 465, App	c 769	34	2.0	32204	9	US-10-072-349-327	Sequence 517, App
697	34	2.0	3582	9	US-10-179-511-465	Sequence 465, App	c 770	34	2.0	32204	10	US-09-764-855-327	Sequence 327, App
698	34	2.0	3582	9	US-10-179-518-465	Sequence 465, App	c 771	34	2.0	32205	9	US-09-764-891-10213	Sequence 327, App
699	34	2.0	3582	9	US-10-183-018-465	Sequence 465, App	c 772	34	2.0	42500	9	US-10-007-078-10	Sequence 10213, A
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702	34	2.0	3582	9	US-10-197-701-465	Sequence 465, App	c 775	34	2.0	56737	10	US-09-782-378A-17	Sequence 61, Appl
703	34	2.0	3582	9	US-10-197-706-465	Sequence 465, App	c 776	34	2.0	73637	9	US-10-237-859-3	Sequence 17, Appl
704	34	2.0	3582	9	US-10-201-857-465	Sequence 465, App	c 777	34	2.0	88191	10	US-09-799-799-3	Sequence 3, Appl
705	34	2.0	3582	9	US-10-202-413-465	Sequence 465, App	c 778	34	2.0	88191	10	US-09-918-686-1	Sequence 3, Appl
706	34	2.0	3582	9	US-10-202-938-465	Sequence 465, App	c 779	34	2.0	132762	9	US-09-954-556-17	Sequence 1, Appl
707	34	2.0	3582	9	US-10-202-940-465	Sequence 465, App	c 780	34	2.0	139257	9	US-09-920-671-11	Sequence 17, Appl
708	34	2.0	3582	9	US-10-205-508-465	Sequence 465, App	c 781	34	2.0	143068	10	US-09-967-768A-316	Sequence 11, Appl
709	34	2.0	3582	9	US-10-205-905-465	Sequence 465, App	c 782	34	2.0	174424	10	US-09-967-768A-314	Sequence 316, App
710	34	2.0	3582	9	US-10-206-918-465	Sequence 465, App	c 783	34	2.0	203654	10	US-09-820-905-3	Sequence 314, App
711	34	2.0	3582	9	US-10-208-025-465	Sequence 465, App	c 784	34	2.0	326014	10	US-09-731-231A-3	Sequence 3, Appl
712	34	2.0	3582	12	US-10-052-586-465	Sequence 465, App	c 785	34	2.0	465237	10	US-09-933-267A-1	Sequence 3, Appl
713	34	2.0	3937	9	US-09-764-891-7151	Sequence 7151, App	c 786	34	2.0	684973	9	US-09-263-953-1	Sequence 1, Appl
c 714	34	2.0	4963	9	US-10-125-540-606	Sequence 606, App	c 787	34	2.0	1503841	9	US-09-946-807-1	Sequence 1, Appl
c 715	34	2.0	4963	9	US-10-074-095-694	Sequence 694, App	c 788	34	2.0	1503841	10	US-09-795-668-1	Sequence 1, Appl
c 716	34	2.0	4963	10	US-09-764-870-606	Sequence 606, App	c 789	34	2.0	1503841	10	US-09-795-668-1	Sequence 1, Appl
c 717	34	2.0	4963	10	US-09-764-860-694	Sequence 694, App	c 790	34	2.0	233	10	US-09-867-701-10133	Sequence 10133, A
c 718	34	2.0	6107	9	US-10-091-504-2089	Sequence 2089, App	c 791	34	2.0	349	10	US-09-867-701-8507	Sequence 8507, App
c 719	34	2.0	7347	9	US-09-764-869-2089	Sequence 2089, App	c 792	34	2.0	376	9	US-09-764-891-6125	Sequence 6125, App
c 720	34	2.0	7347	9	US-10-091-504-2088	Sequence 2088, App	c 793	34	2.0	376	9	US-09-764-891-6126	Sequence 6126, App
c 721	34	2.0	7351	9	US-09-764-869-2088	Sequence 2088, App	c 794	34	2.0	376	10	US-09-908-711-137	Sequence 137, App
c 722	34	2.0	7351	9	US-10-091-504-2090	Sequence 2090, App	c 795	34	2.0	376	10	US-09-908-711-138	Sequence 138, App
c 723	34	2.0	7351	10	US-09-764-869-2090	Sequence 2090, App	c 796	34	2.0	377	9	US-09-918-995-37621	Sequence 37621, A
c 724	34	2.0	7626	9	US-10-001-835-82	Sequence 82, Appl	c 797	34	2.0	401	9	US-09-946-807-917	Sequence 917, App
c 725	34	2.0	8746	9	US-10-074-095-1022	Sequence 1022, App	c 798	34	2.0	401	10	US-09-795-668-917	Sequence 917, App
c 726	34	2.0	8746	10	US-09-764-860-1022	Sequence 1022, App	c 799	34	2.0	401	10	US-09-795-668-917	Sequence 917, App
c 727	34	2.0	10739	9	US-10-091-504-2130	Sequence 2130, App	c 800	34	2.0	454	9	US-09-918-995-9942	Sequence 9942, App
c 728	34	2.0	10739	10	US-09-764-869-2130	Sequence 2130, App	c 801	34	2.0	492	9	US-09-918-995-24329	Sequence 24329, A
c 729	34	2.0	11185	9	US-09-764-869-1096	Sequence 1096, App	c 802	34	2.0	492	10	US-09-867-701-703	Sequence 703, App
c 730	34	2.0	11185	10	US-09-764-860-1096	Sequence 1096, App	c 803	34	2.0	498	9	US-09-292-758-138	Sequence 138, App
c 731	34	2.0	11464	9	US-09-030-061-17	Sequence 17, Appl	c 804	34	2.0	573	9	US-10-091-504-1483	Sequence 1483, App
c 732	34	2.0	11464	12	US-10-100-057-17	Sequence 17, Appl	c 805	34	2.0	573	9	US-10-091-504-1484	Sequence 1484, App
c 733	34	2.0	11839	9	US-09-764-891-7628	Sequence 7628, App	c 806	34	2.0	573	10	US-09-764-869-1483	Sequence 1483, App
c 734	34	2.0	11990	10	US-09-969-708-569	Sequence 569, App	c 807	34	2.0	795	10	US-09-764-869-1484	Sequence 1484, App
c 735	34	2.0	13409	9	US-09-764-891-9601	Sequence 9601, App	c 808	34	2.0	795	9	US-10-198-846-10719	Sequence 10719, A
c 736	34	2.0	14925	9	US-09-764-891-5970	Sequence 5970, App	c 809	34	2.0	890	9	US-10-198-846-10732	Sequence 7232, App
c 737	34	2.0	14925	9	US-09-764-891-7240	Sequence 7240, App	c 810	34	2.0	2233	9	US-09-892-877-56	Sequence 56, Appl
c 738	34	2.0	15266	10	US-09-764-877-3797	Sequence 3797, App	c 811	34	2.0	2233	9	US-09-948-783-56	Sequence 56, Appl
c 739	34	2.0	15271	10	US-09-764-877-3798	Sequence 3798, App	c 812	34	2.0	2264	10	US-09-764-877-3364	Sequence 3364, App
c 740	34	2.0	16100	10	US-09-764-877-3598	Sequence 3598, App	c 813	34	2.0	4005	9	US-09-764-891-9531	Sequence 9531, App
c 741	34	2.0	17216	10	US-09-764-877-3566	Sequence 3566, App	c 814	34	2.0	5660	9	US-09-764-891-10170	Sequence 10170, A
c 742	34	2.0	17217	10	US-09-764-877-3566	Sequence 3566, App	c 815	34	2.0	5660	9	US-09-764-891-10171	Sequence 10171, A
c 743	34	2.0	18648	9	US-09-954-456-1150	Sequence 1150, App	c 816	34	2.0	5744	9	US-10-093-154-1457	Sequence 1457, App
c 744	34	2.0	19929	9	US-09-764-891-9967	Sequence 9967, App	c 817	34	2.0	5744	10	US-09-764-847-1457	Sequence 1457, App
c 745	34	2.0	20907	9	US-09-764-891-9967	Sequence 9967, App	c 818	34	2.0	7233	9	US-10-091-504-2123	Sequence 2123, App
c 746	34	2.0	22452	9	US-09-764-868-1487	Sequence 1487, App	c 819	34	2.0	7233	9	US-10-091-504-2123	Sequence 2123, App
c 747	34	2.0	22452	9	US-09-764-868-1487	Sequence 1487, App	c 820	34	2.0	7233	10	US-09-764-869-2123	Sequence 2123, App
c 748	34	2.0	23822	10	US-09-964-824A-572	Sequence 572, App	c 821	34	2.0	7233	10	US-09-764-869-2123	Sequence 2123, App
c 749	34	2.0	27154	9	US-09-764-891-8396	Sequence 8396, App	c 822	34	2.0	9692	9	US-09-764-868-1399	Sequence 1399, App

c 823	33	2.0	9730	9	US-09-764-868-1400	Sequence 1400, App	c 896	32	1.9	4082	9	US-09-764-891-8663	Sequence 8663, App
c 824	33	2.0	9883	9	US-10-016-157A-71	Sequence 71, Appl	c 897	32	1.9	4645	9	US-10-091-504-1482	Sequence 1482, App
c 825	33	2.0	10953	9	US-10-091-483-313	Sequence 313, App	c 898	32	1.9	4645	10	US-09-764-869-1482	Sequence 1482, App
c 826	33	2.0	10953	10	US-09-764-846-313	Sequence 313, App	c 899	32	1.9	4646	10	US-10-091-504-1481	Sequence 1481, App
c 827	33	2.0	11809	9	US-09-764-891-10172	Sequence 10172, A	c 900	32	1.9	4646	10	US-09-764-869-1481	Sequence 1481, App
c 828	33	2.0	11869	9	US-10-091-504-2292	Sequence 2292, App	c 901	32	1.9	4859	9	US-10-091-572-488	Sequence 488, App
c 829	33	2.0	11869	10	US-09-764-869-2292	Sequence 2292, App	c 902	32	1.9	4859	9	US-09-764-891-6624	Sequence 6624, App
c 830	33	2.0	14759	9	US-09-764-891-8344	Sequence 8344, App	c 903	32	1.9	5000	10	US-09-791-105-1	Sequence 1, Appl1
c 831	33	2.0	14962	9	US-10-079-854-244	Sequence 244, App	c 904	32	1.9	5170	9	US-09-764-891-9065	Sequence 9065, App
c 832	33	2.0	16747	10	US-09-764-878-244	Sequence 244, App	c 905	32	1.9	5251	9	US-10-091-504-1431	Sequence 1431, App
c 833	33	2.0	17752	10	US-09-764-877-3354	Sequence 3354, App	c 906	32	1.9	5351	10	US-09-764-869-1431	Sequence 1431, App
c 834	33	2.0	17752	10	US-09-748-137-3	Sequence 3, Appl1	c 907	32	1.9	5363	9	US-10-079-854-229	Sequence 229, App
c 835	33	2.0	18535	9	US-10-079-854-385	Sequence 385, App	c 908	32	1.9	5363	10	US-09-764-878-229	Sequence 229, App
c 836	33	2.0	18535	10	US-09-764-878-385	Sequence 385, App	c 909	32	1.9	6065	9	US-09-764-891-9632	Sequence 9632, App
c 837	33	2.0	18657	9	US-10-074-045-70	Sequence 70, Appl	c 910	32	1.9	8868	9	US-09-764-877-3954	Sequence 3954, App
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c 839	33	2.0	20272	10	US-09-908-711-145	Sequence 145, App	c 912	32	1.9	10476	9	US-09-964-824A-98	Sequence 98, Appl
c 840	33	2.0	21636	10	US-09-416-384A-3	Sequence 3, Appl1	c 913	32	1.9	10476	10	US-09-964-824A-98	Sequence 98, Appl
c 841	33	2.0	23378	9	US-10-092-154-1514	Sequence 1514, App	c 914	32	1.9	10476	9	US-09-964-824A-98	Sequence 98, Appl
c 842	33	2.0	23378	10	US-09-764-847-1514	Sequence 1514, App	c 915	32	1.9	10859	9	US-09-764-891-7408	Sequence 7408, App
c 843	33	2.0	25619	9	US-09-764-891-6213	Sequence 6213, App	c 916	32	1.9	10859	10	US-10-091-504-2113	Sequence 2113, App
c 844	33	2.0	25619	10	US-09-908-711-143	Sequence 143, App	c 917	32	1.9	10867	10	US-09-764-869-2113	Sequence 2113, App
c 845	33	2.0	25619	10	US-09-764-898-302	Sequence 302, App	c 918	32	1.9	10867	10	US-09-764-877-3970	Sequence 3970, App
c 846	33	2.0	31814	10	US-09-817-182-3	Sequence 3, Appl1	c 919	32	1.9	10907	9	US-10-091-504-2112	Sequence 2112, App
c 847	33	2.0	32134	9	US-09-764-891-6763	Sequence 6763, App	c 920	32	1.9	10907	10	US-09-764-869-2112	Sequence 2112, App
c 848	33	2.0	32134	10	US-09-764-891-6763	Sequence 6763, App	c 921	32	1.9	10907	9	US-09-764-877-3972	Sequence 3972, App
c 849	33	2.0	32170	9	US-09-764-877-3433	Sequence 3433, App	c 922	32	1.9	10907	10	US-10-091-504-1945	Sequence 1945, App
c 850	33	2.0	32170	10	US-10-074-095-1108	Sequence 1108, App	c 923	32	1.9	11881	9	US-09-764-869-1353	Sequence 1353, App
c 851	33	2.0	32187	9	US-09-764-860-1108	Sequence 1108, App	c 924	32	1.9	11881	10	US-09-764-869-1353	Sequence 1353, App
c 852	33	2.0	32249	9	US-10-102-627-109	Sequence 109, App	c 925	32	1.9	11881	10	US-10-091-504-2124	Sequence 2124, App
c 853	33	2.0	32249	10	US-09-764-891-8024	Sequence 8024, App	c 926	32	1.9	12718	9	US-09-764-869-2124	Sequence 2124, App
c 854	33	2.0	34668	9	US-09-900-449A-3	Sequence 3, Appl1	c 927	32	1.9	14708	10	US-09-764-877-3972	Sequence 3972, App
c 855	33	2.0	36221	9	US-09-954-556-29	Sequence 29, Appl	c 928	32	1.9	17397	9	US-10-091-504-1945	Sequence 1945, App
c 856	33	2.0	52216	10	US-09-747-810-1	Sequence 1, Appl1	c 929	32	1.9	17397	10	US-09-764-869-1945	Sequence 1945, App
c 857	33	2.0	90541	10	US-09-759-359A-3	Sequence 3, Appl1	c 930	32	1.9	17792	9	US-10-091-504-1599	Sequence 1599, App
c 858	33	2.0	116840	9	US-10-020-141-3	Sequence 3, Appl1	c 931	32	1.9	17792	10	US-09-764-869-1599	Sequence 1599, App
c 859	33	2.0	133893	9	US-10-161-510-1	Sequence 1, Appl1	c 932	32	1.9	19334	9	US-10-091-504-1943	Sequence 1943, App
c 860	33	2.0	174566	9	US-10-020-141-1	Sequence 1, Appl1	c 933	32	1.9	19334	10	US-09-764-869-1943	Sequence 1943, App
c 861	33	2.0	1503841	9	US-09-946-807-1	Sequence 1, Appl1	c 934	32	1.9	19345	9	US-10-091-504-1944	Sequence 1944, App
c 862	33	2.0	1503841	10	US-09-795-668-1	Sequence 1, Appl1	c 935	32	1.9	19345	10	US-09-764-869-1944	Sequence 1944, App
c 863	32	1.9	320	9	US-09-795-668-1	Sequence 1, Appl1	c 936	32	1.9	19472	10	US-09-764-864-1698	Sequence 1698, App
c 864	32	1.9	335	10	US-09-803-719-299	Sequence 299, App	c 937	32	1.9	22161	9	US-10-092-154-1020	Sequence 1020, App
c 865	32	1.9	340	10	US-09-867-701-1062	Sequence 8670, App	c 938	32	1.9	22161	10	US-09-764-847-1020	Sequence 1020, App
c 866	32	1.9	351	9	US-09-803-719-221	Sequence 10062, A	c 939	32	1.9	27118	9	US-09-764-891-10230	Sequence 10230, App
c 867	32	1.9	356	9	US-10-091-504-442	Sequence 442, App	c 940	32	1.9	29449	9	US-09-989-442-161	Sequence 161, App
c 868	32	1.9	356	10	US-09-764-869-442	Sequence 442, App	c 941	32	1.9	29449	9	US-10-074-045-73	Sequence 73, Appl1
c 869	32	1.9	382	10	US-09-867-701-10167	Sequence 10167, A	c 942	32	1.9	30175	12	US-10-163-381-3	Sequence 3, Appl1
c 870	32	1.9	401	9	US-09-946-807-708	Sequence 708, App	c 943	32	1.9	30175	9	US-10-163-381-3	Sequence 3, Appl1
c 871	32	1.9	401	10	US-09-795-668-708	Sequence 708, App	c 944	32	1.9	32146	9	US-10-074-095-797	Sequence 797, App
c 872	32	1.9	401	10	US-09-795-668-708	Sequence 708, App	c 945	32	1.9	32146	10	US-09-764-860-797	Sequence 797, App
c 873	32	1.9	463	9	US-09-918-995-15800	Sequence 15800, A	c 946	32	1.9	32154	10	US-09-764-877-3433	Sequence 3433, App
c 874	32	1.9	469	10	US-09-918-995-16040	Sequence 16040, A	c 947	32	1.9	32170	9	US-10-074-095-1108	Sequence 1108, App
c 875	32	1.9	494	10	US-09-867-701-6998	Sequence 6998, App	c 948	32	1.9	32170	10	US-09-764-860-1108	Sequence 1108, App
c 876	32	1.9	509	9	US-09-918-995-17774	Sequence 17774, A	c 949	32	1.9	32195	9	US-10-091-504-2017	Sequence 2017, App
c 877	32	1.9	526	10	US-09-867-701-7000	Sequence 7000, App	c 950	32	1.9	32195	10	US-09-764-869-2017	Sequence 2017, App
c 878	32	1.9	548	9	US-09-924-400-15	Sequence 15, Appl	c 951	32	1.9	32219	9	US-10-091-504-2016	Sequence 2016, App
c 879	32	1.9	548	10	US-09-810-936-15	Sequence 15, Appl	c 952	32	1.9	32219	10	US-09-764-869-2016	Sequence 2016, App
c 880	32	1.9	548	10	US-09-429-755-15	Sequence 15, Appl	c 953	32	1.9	32221	9	US-10-092-154-1406	Sequence 1406, App
c 881	32	1.9	687	9	US-10-079-854-373	Sequence 373, App	c 954	32	1.9	32221	10	US-09-764-847-1406	Sequence 1406, App
c 882	32	1.9	687	9	US-09-764-891-9434	Sequence 9434, App	c 955	32	1.9	32248	9	US-10-074-095-802	Sequence 802, App
c 883	32	1.9	687	10	US-09-764-878-373	Sequence 373, App	c 956	32	1.9	32248	10	US-09-764-860-802	Sequence 802, App
c 884	32	1.9	779	9	US-09-764-891-6074	Sequence 6074, App	c 957	32	1.9	51552	10	US-09-733-294A-30	Sequence 30, Appl
c 885	32	1.9	843	9	US-10-198-846-1329	Sequence 1329, App	c 958	32	1.9	51552	10	US-09-854-883-243	Sequence 243, App
c 886	32	1.9	963	9	US-10-198-846-6711	Sequence 6711, App	c 959	32	1.9	75899	10	US-09-962-436-36	Sequence 36, Appl
c 887	32	1.9	1003	9	US-10-072-349-308	Sequence 308, App	c 960	32	1.9	832762	9	US-09-954-556-17	Sequence 17, Appl
c 888	32	1.9	1003	9	US-10-072-349-309	Sequence 309, App	c 961	32	1.9	176373	9	US-10-095-407-17	Sequence 17, Appl
c 889	32	1.9	1003	10	US-09-764-855-308	Sequence 308, App	c 962	32	1.9	203654	10	US-09-820-905-3	Sequence 3, Appl1
c 890	32	1.9	1003	10	US-09-764-855-309	Sequence 309, App	c 963	32	1.9	684973	10	US-09-263-959-1	Sequence 1, Appl1
c 891	32	1.9	1331	10	US-09-822-849A-113	Sequence 113, App	c 964	31	1.8	168	9	US-09-860-670-229	Sequence 229, App
c 892	32	1.9	2012	10	US-09-764-877-3879	Sequence 3879, App	c 965	31	1.8	310	9	US-09-764-891-7282	Sequence 7282, App
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c 971 31 1.8 413 9 US-09-918-995-7277 Sequence 7277, Ap  
c 972 31 1.8 449 10 US-09-867-701-8942 Sequence 8942, Ap  
c 973 31 1.8 484 9 US-09-918-995-2283 Sequence 2283, Ap  
c 974 31 1.8 485 9 US-09-918-995-17424 Sequence 17424, A  
c 975 31 1.8 1473 9 US-09-984-827-71 Sequence 71, Appl  
c 976 31 1.8 1603 9 US-10-198-846-12758 Sequence 12758, A  
c 977 31 1.8 1779 10 US-09-822-849A-133 Sequence 133, App  
c 978 31 1.8 2070 9 US-10-037-270-958 Sequence 958, App  
c 979 31 1.8 2105 10 US-09-939-825-15 Sequence 15, Appl  
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c 983 31 1.8 3064 10 US-09-764-847-1289 Sequence 1289, Ap  
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c 986 31 1.8 3805 9 US-09-764-891-7518 Sequence 7518, Ap  
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c 994 31 1.8 5687 9 US-09-984-827-15 Sequence 15, Appl  
c 995 31 1.8 9365 9 US-10-092-063-8 Sequence 8, Appl  
c 996 31 1.8 9365 12 US-10-091-085-8 Sequence 8, Appl  
c 997 31 1.8 10563 10 US-09-764-864-1680 Sequence 1680, Ap  
c 998 31 1.8 11474 9 US-10-092-154-1559 Sequence 1559, Ap  
c 999 31 1.8 11474 10 US-09-764-847-1559 Sequence 1559, Ap  
c1000 31 1.8 11557 9 US-10-102-627-103 Sequence 103, App

ALIGNMENTS

RESULT 1  
US-09-942-310-2  
; Sequence 2, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olaisson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms  
; FILE REFERENCE: Gg119.1US  
; CURRENT APPLICATION NUMBER: US/09/942.310  
; PRIOR FILING DATE: 2001-08-29  
; PRIOR FILING DATE: 2000-08-30  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 1680  
; TYPE: DNA  
; ORGANISM: homo sapiens  
US-09-942-310-2  
Query Match 100.0%; Score 1680; DB 9; Length 1680;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1680; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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## RESULT 2

US-09-942-310-1

; Sequence 1, Application US/09942310

; Publication No. US20030044797A1

; GENERAL INFORMATION:

; APPLICANT: Risinger, Carl

; APPLICANT: Andersson, Maria K.

; APPLICANT: Lewander, Tommy

; APPLICANT: Olafsson, Erik

; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

; FILE REFERENCE: GG119.1US

; CURRENT APPLICATION NUMBER: US/09/942,310

; PRIOR FILING DATE: 2001-08-29

; PRIOR APPLICATION NUMBER: GB 0021286.0

; PRIOR FILING DATE: 2000-08-30

; NUMBER OF SEQ ID NOS: 77

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 1

; LENGTH: 9432

; TYPE: DNA

; ORGANISM: homo sapiens

US-09-942-310-1

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Query Match          79.6%; Score 1338; DB 9; Length 9432;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1638; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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## RESULT 3

US-10-209-737-1

; Sequence 1, Application US/10209737

; Publication No. US20030083485A1

; GENERAL INFORMATION:

; APPLICANT: Pfizer Inc.

; APPLICANT: Milos, Patrice M.

; APPLICANT: Webb, Suzin M.

; TITLE OF INVENTION: No. US20030083485A1el Variants Of The Human CYP2D6 Gene

; FILE REFERENCE: PC11033A0PR

; CURRENT APPLICATION NUMBER: US/10/209,737

; CURRENT FILING DATE: 2002-07-31

; PRIOR APPLICATION NUMBER: US 60/309,111

; PRIOR FILING DATE: 2001-07-31

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 1

; LENGTH: 9432

; TYPE: DNA

; ORGANISM: HOMO SAPIENS

US-10-209-737-1

Query Match 79.6%; Score 1338; DB 9; Length 9432;  
Best Local Similarity 99.6%; Pred. No. 0;  
Matches 1638; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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Db 37 GGTCTCTACAAAAATACAAAATTTAGCTGGATTGGGTGGGTCATGCTGCTCATGCTCATTAATC 96  
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Db 97 CCAGCACTTTGGGAGCTGAGGTGGGTGATCACTCAAGTCAGGAGTTCAAGACTAGCC 156  
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QY 1177 GAAAGGCAAGGCCATGTTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1236  
|||||  
Db 1177 GAAAGGCAAGGCCATGTTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1236  
|||||  
QY 1237 GCTGGAGGAGTGGATGGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1296  
|||||  
Db 1237 GCTGGAGGAGTGGATGGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1296  
|||||  
QY 1297 TTCAGGAGCTTGGAGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1356  
|||||  
Db 1297 TTCAGGAGCTTGGAGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1356  
|||||  
QY 1357 ACCCTGGGTAAAGGCTTGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1416  
|||||  
Db 1357 ACCCTGGGTAAAGGCTTGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1416  
|||||  
QY 1417 CGCCCTGGGCTGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1476  
|||||  
Db 1417 CGCCCTGGGCTGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1476  
|||||



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Db 1537 GAGTGTCTCTGCTGCTCTGCTGCTGCTGGGGTGGGGTGGCCAGGTGCTCTCCAGAGCA 1596
QY 1597 GCCCATTTGGTAGGAGCAGGTATGGGGCTAGAGCACTGGTGCCCTGCCCTGTGATAG 1656
Db 1597 GCCCATTTGGTAGGAGCAGGTATGGGGCTAGAGCACTGGTGCCCTGCCCTGTGATAG 1656
QY 1657 TGGCCATCTTCCCTGCTGCTGCTGG 1680
Db 1657 TGGCCATCTTCCCTGCTGCTGCTGG 1680

RESULT 5
US-09-764-891-7028/C
; Sequence 7028, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7028
; LENGTH: 32194
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-7028

Query Match 3.0%; Score 50; DB 9; Length 32194;
Best Local Similarity 100.0%; Pred. No. 1e-14;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 CACCTGTAATCCCACTACTAGGAGCTGAGGCGAGGAGGAATTCCTTGAA 267
Db 10677 CACCTGTAATCCCACTACTAGGAGCTGAGGCGAGGAGGAATTCCTTGAA 10628

RESULT 6
US-09-764-891-6967/C
; Sequence 6967, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6967
; LENGTH: 32177
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-6967

Query Match 2.9%; Score 49; DB 9; Length 32177;
Best Local Similarity 100.0%; Pred. No. 3.1e-14;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 138 CAGGAGTTCAGACTAGCCTGGCCACATGTTGAACCCCTATCTCTACT 186
Db 3375 CAGGAGTTCAGACTAGCCTGGCCACATGTTGAACCCCTATCTCTACT 3327

RESULT 7
US-09-764-877-3251/C
; Sequence 3251, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
```

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; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3251
; LENGTH: 32177
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-3251

Query Match 2.9%; Score 49; DB 10; Length 32177;
Best Local Similarity 100.0%; Pred. No. 3.1e-14;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 138 CAGGAGTTCAGACTAGCCTGGCCACATGTTGAACCCCTATCTCTACT 186
Db 3375 CAGGAGTTCAGACTAGCCTGGCCACATGTTGAACCCCTATCTCTACT 3327

RESULT 8
US-09-859-888-3/C
; Sequence 3, Application US/09859888
; Patent No. US20020173459A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: C1001239
; CURRENT APPLICATION NUMBER: US/09/859,888
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 65464
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(65464)
; OTHER INFORMATION: n = A,T,C or G
US-09-859-888-3

Query Match 2.9%; Score 48; DB 9; Length 65464;
Best Local Similarity 100.0%; Pred. No. 8.9e-14;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 CCTGTATCCAGCTACTTAGGAGGCTGAGGAGGAGGAATTCCTTGAA 267
Db 18201 CCTGTATCCAGCTACTTAGGAGGCTGAGGAGGAGGAATTCCTTGAA 18154

RESULT 9
US-09-918-995-29267
; Sequence 29267, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29267
; LENGTH: 466
; TYPE: DNA
```



```
; LENGTH: 122186
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-563-728A-36

Query Match      2.6%; Score 44; DB 9; Length 122186;
Best Local Similarity 100.0%; Pred. No. 7.6e-12;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 216 CACACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 259
      |||||||
Db 35936 CACACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 35893

RESULT 14
US-09-982-091A-5/C
; Sequence 5, Application US/09982091A
; Patent No. US20020151030A1
; GENERAL INFORMATION:
; APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY
; APPLICANT: KUMAGAI, Akiko
; APPLICANT: DUNPHY, William
; TITLE OF INVENTION: CLASPIN PROTEINS AND METHODS OF USE THEREOF
; FILE REFERENCE: CIT1320-1
; CURRENT APPLICATION NUMBER: US/09/982,091A
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US 60/241,246
; PRIOR FILING DATE: 2000-10-17
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 58837
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-982-091A-5

Query Match      2.6%; Score 43; DB 10; Length 58837;
Best Local Similarity 100.0%; Pred. No. 2.6e-11;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 77 GGTGGCTCATGCTATATCCAGCACTTTGGGAGCCTGAGGT 119
      |||||||
Db 44531 GGTGGCTCATGCTATATCCAGCACTTTGGGAGCCTGAGGT 44489

RESULT 15
US-10-017-724-3
; Sequence 3, Application US/10017724
; Publication No. US2003009958A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
; FILE REFERENCE: MMI-004
; CURRENT APPLICATION NUMBER: US/10/017,724
; CURRENT FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/317,178
; PRIOR FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US 60/329,958
; PRIOR FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 98829
; TYPE: DNA
; ORGANISM: Homo Sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)..(98829)
; OTHER INFORMATION: n = A,T,C or G
US-10-017-724-3

Query Match      2.6%; Score 43; DB 9; Length 98829;
Best Local Similarity 100.0%; Pred. No. 2.4e-11;

Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 217 ACACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 259
      |||||||
Db 30694 ACACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 30736

RESULT 16
US-09-867-701-8121/c
; Sequence 8121, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Agiate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8121
; LENGTH: 397
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)..(397)
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-8121

Query Match      2.5%; Score 42; DB 10; Length 397;
Best Local Similarity 100.0%; Pred. No. 1.4e-10;
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 259
      |||||||
Db 139 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 98

RESULT 17
US-09-764-891-5951
; Sequence 5951, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; PRIOR application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5951
; LENGTH: 24977
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5951

Query Match      2.5%; Score 42; DB 9; Length 24977;
Best Local Similarity 100.0%; Pred. No. 8.7e-11;
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 259
      |||||||
Db 24413 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 24454

RESULT 18
US-09-764-891-8476
; Sequence 8476, Application US/09764891
; Publication No. US20030077808A1
```

; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 8475  
; LENGTH: 24977  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-891-8475

Query Match 2.5%; Score 42; DB 9; Length 24977;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAAAT 259  
|||||  
Db 24413 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAAAT 24454

## RESULT 19

US-09-764-891-5950  
; Sequence 5950, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 5950  
; LENGTH: 24983  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-891-5950

Query Match 2.5%; Score 42; DB 9; Length 24983;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;  
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAAAT 259  
|||||  
Db 24419 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAAAT 24460

## RESULT 20

US-09-764-891-8475  
; Sequence 8475, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 8475  
; LENGTH: 24983  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-891-8475

Query Match 2.5%; Score 42; DB 9; Length 24983;  
Best Local Similarity 100.0%; Pred. No. 8.7e-11;

Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAAAT 259  
|||||  
Db 24419 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAAAT 24460

## RESULT 21

US-09-962-832-154/c  
; Sequence 154, Application US/09962832  
; Patent No. US20020110821A1  
; GENERAL INFORMATION:

; APPLICANT: Ebner, Reinhard  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign  
; FILE REFERENCE: 689290-74  
; CURRENT APPLICATION NUMBER: US/09/962,832  
; CURRENT FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,077  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,280  
; PRIOR FILING DATE: 2000-09-25  
; NUMBER OF SEQ ID NOS: 259  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 154  
; LENGTH: 302250  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-962-832-154

Query Match 2.5%; Score 42; DB 10; Length 302250;  
Best Local Similarity 100.0%; Pred. No. 6.6e-11;  
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAGACTAGCCTGGCCACACATGCTGAAACCCCT 177  
|||||  
Db 156903 GTCAGGAGTTCAGACTAGCCTGGCCACACATGCTGAAACCCCT 156862

## RESULT 22

US-09-867-701-7324  
; Sequence 7324, Application US/09867701  
; Patent No. US20020132237A1  
; GENERAL INFORMATION:

; APPLICANT: Aglate, Paul A.  
; APPLICANT: Harlocker, Susan L.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; FILE REFERENCE: 210121.497  
; CURRENT APPLICATION NUMBER: US/09/867,701  
; CURRENT FILING DATE: 2001-05-29  
; NUMBER OF SEQ ID NOS: 10912  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7324  
; LENGTH: 400  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-867-701-7324

Query Match 2.4%; Score 41; DB 10; Length 400;  
Best Local Similarity 100.0%; Pred. No. 4.3e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAGACTAGCCTGGCCACACATGCTGAAACCC 176  
|||||  
Db 175 GTCAGGAGTTCAGACTAGCCTGGCCACACATGCTGAAACCC 215

## RESULT 23

US-09-918-995-13851  
; Sequence 13851, Application US/09918995  
; Publication No. US20030073623A1

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; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13851
; LENGTH: 478
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(478)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-13851

Query Match      2.4%; Score 41; DB 9; Length 478;
Best Local Similarity 100.0%; Pred. No. 4.2e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 GGGTGGGTCGCTCATCCCTATATATCCAGCAGCTTTGGGAG 111
      |||||||
Db 181 GGGTGGGTCGCTCATCCCTATATATCCAGCAGCTTTGGGAG 221

RESULT 24
US-09-880-107-3872
; Sequence 3872, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3872
; LENGTH: 2694
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 Z28339
US-09-880-107-3872

Query Match      2.4%; Score 41; DB 10; Length 2694;
Best Local Similarity 100.0%; Pred. No. 3.5e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 GGGTGGGTCGCTCATCCCTATATATCCAGCAGCTTTGGGAG 111
      |||||||
Db 2130 GGGTGGGTCGCTCATCCCTATATATCCAGCAGCTTTGGGAG 2170

RESULT 25
US-09-954-456-45
; Sequence 45, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
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; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 45
; LENGTH: 3088
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-45

Query Match      2.4%; Score 41; DB 10; Length 3088;
Best Local Similarity 100.0%; Pred. No. 3.4e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCACAGACTAGCTGGCCCAACATGGTGAACCC 176
      |||||||
Db 1364 GTCAGGAGTTCACAGACTAGCTGGCCCAACATGGTGAACCC 1404

RESULT 26
US-09-954-456-1621
; Sequence 1621, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using C
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
```

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; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1621
; LENGTH: 3088
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-1621

    Query Match      2.4%; Score 41; DB 10; Length 3088;
    Best Local Similarity 100.0%; Pred. No. 3.4e-10;
    Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGAGTTCAGACTAGCCTGGCCCAACATGTTGAACCC 176
      |||||||
Db 1364 GTCAGAGTTCAGACTAGCCTGGCCCAACATGTTGAACCC 1404

RESULT 27
US-09-969-347-234
; Sequence 234, Application US/09969347
; Patent No. US20020115085A1
; GENERAL INFORMATION:
; APPLICANT: Egener, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE REFERENCE: 689290-69
; CURRENT APPLICATION NUMBER: US/09/969,347
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,598
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,604
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 318
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 234
; LENGTH: 3088
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-969-347-234

    Query Match      2.4%; Score 41; DB 10; Length 3088;
    Best Local Similarity 100.0%; Pred. No. 3.4e-10;
    Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGAGTTCAGACTAGCCTGGCCCAACATGTTGAACCC 176
      |||||||
Db 1364 GTCAGAGTTCAGACTAGCCTGGCCCAACATGTTGAACCC 1404

RESULT 28
US-09-764-891-8367/c
; Sequence 8367, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 8367
; LENGTH: 10680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-8367

    Query Match      2.4%; Score 41; DB 9; Length 10680;
    Best Local Similarity 100.0%; Pred. No. 3e-10;
    Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 227 TCCAGCTACTAGGAGGCTGAGGCAGGAGAAATTCGTTGAA 267
      |||||||
```

```
Db 5034 TCCAGCTACTAGGAGGCTGAGGCAGGAGAAATTCGTTGAA 4994

RESULT 29
US-10-074-095-1091/c
; Sequence 1091, Application US/10074095
; Publication No. US20030077704A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008C1
; CURRENT APPLICATION NUMBER: US/10/074,095
; CURRENT FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: 09/764,860
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
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1	PRIOR FILING DATE:	2000-11-17
2	PRIOR APPLICATION NUMBER:	60/249,208
3	PRIOR FILING DATE:	2000-11-17
4	PRIOR APPLICATION NUMBER:	60/249,213
5	PRIOR FILING DATE:	2000-11-17
6	PRIOR APPLICATION NUMBER:	60/249,212
7	PRIOR FILING DATE:	2000-11-17
8	PRIOR APPLICATION NUMBER:	60/249,207
9	PRIOR FILING DATE:	2000-11-17
10	PRIOR APPLICATION NUMBER:	60/249,245
11	PRIOR FILING DATE:	2000-11-17
12	PRIOR APPLICATION NUMBER:	60/249,244
13	PRIOR FILING DATE:	2000-11-17
14	PRIOR APPLICATION NUMBER:	60/249,217
15	PRIOR FILING DATE:	2000-11-17
16	PRIOR APPLICATION NUMBER:	60/249,211
17	PRIOR FILING DATE:	2000-11-17
18	PRIOR APPLICATION NUMBER:	60/249,215
19	PRIOR FILING DATE:	2000-11-17
20	PRIOR APPLICATION NUMBER:	60/249,264
21	PRIOR FILING DATE:	2000-11-17
22	PRIOR APPLICATION NUMBER:	60/249,214
23	PRIOR FILING DATE:	2000-11-17
24	PRIOR APPLICATION NUMBER:	60/249,297
25	PRIOR FILING DATE:	2000-11-17
26	PRIOR APPLICATION NUMBER:	60/232,400
27	PRIOR FILING DATE:	2000-09-14
28	PRIOR APPLICATION NUMBER:	60/231,242
29	PRIOR FILING DATE:	2000-09-08
30	PRIOR APPLICATION NUMBER:	60/232,081
31	PRIOR FILING DATE:	2000-09-08
32	PRIOR APPLICATION NUMBER:	60/232,080
33	PRIOR FILING DATE:	2000-09-08
34	PRIOR APPLICATION NUMBER:	60/231,414
35	PRIOR FILING DATE:	2000-09-08
36	PRIOR APPLICATION NUMBER:	60/231,244
37	PRIOR FILING DATE:	2000-09-08
38	PRIOR APPLICATION NUMBER:	60/233,064
39	PRIOR FILING DATE:	2000-09-14
40	PRIOR APPLICATION NUMBER:	60/233,063
41	PRIOR FILING DATE:	2000-09-14
42	PRIOR APPLICATION NUMBER:	60/232,397
43	PRIOR FILING DATE:	2000-09-14
44	PRIOR APPLICATION NUMBER:	60/232,399
45	PRIOR FILING DATE:	2000-09-14
46	PRIOR APPLICATION NUMBER:	60/232,401
47	PRIOR FILING DATE:	2000-09-14
48	PRIOR APPLICATION NUMBER:	60/241,808
49	PRIOR FILING DATE:	2000-10-20
50	PRIOR APPLICATION NUMBER:	60/241,826
51	PRIOR FILING DATE:	2000-10-20
52	PRIOR APPLICATION NUMBER:	60/241,786
53	PRIOR FILING DATE:	2000-10-20
54	PRIOR APPLICATION NUMBER:	60/241,221
55	PRIOR FILING DATE:	2000-10-20
56	PRIOR APPLICATION NUMBER:	60/246,475
57	PRIOR FILING DATE:	2000-11-08
58	PRIOR APPLICATION NUMBER:	60/231,243
59	PRIOR FILING DATE:	2000-09-08

Qy	136	GTCCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC	176
Db	7028	GTCCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC	6988

RESULT 30  
US-09-764-860-1091/c  
; Sequence 1091, Application US/09764860  
; Patent No. US20020094953A1

GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC008  
; CURRENT APPLICATION NUMBER: US/09/764,860  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 1198  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1091  
; LENGTH: 15500  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-860-1091

Query Match 2.4%; Score 41; DB 10; Length 15500;  
Best Local Similarity 100.0%; Pred. No. 2.9e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176  
|||||  
Db 7028 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6988

## RESULT 31

US-10-072-349-321/c  
; Sequence 321, Application US/10072349  
; Publication No. US20030054420A1  
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: P110C1  
; CURRENT APPLICATION NUMBER: US/10/072,349  
; CURRENT FILING DATE: 2002-02-11  
; Prior Application removed - See file Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 321  
; LENGTH: 16552  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-072-349-321

Query Match 2.4%; Score 41; DB 9; Length 16552;  
Best Local Similarity 100.0%; Pred. No. 2.8e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176  
|||||  
Db 6659 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6619

## RESULT 32

US-10-072-349-322/c  
; Sequence 322, Application US/10072349  
; Publication No. US20030054420A1  
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: P110C1  
; CURRENT APPLICATION NUMBER: US/10/072,349  
; CURRENT FILING DATE: 2002-02-11  
; Prior Application removed - See file Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 322  
; LENGTH: 16552  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-072-349-322

Query Match 2.4%; Score 41; DB 9; Length 16552;  
Best Local Similarity 100.0%; Pred. No. 2.8e-10;

Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176  
|||||  
Db 6659 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6619

## RESULT 33

US-09-764-855-321/c  
; Sequence 321, Application US/09764855  
; Patent No. US20020119919A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: P1110  
; CURRENT APPLICATION NUMBER: US/09/764,855  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 321  
; LENGTH: 16552  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-855-321

Query Match 2.4%; Score 41; DB 10; Length 16552;  
Best Local Similarity 100.0%; Pred. No. 2.8e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176  
|||||  
Db 6659 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6619

## RESULT 34

US-09-764-855-322/c  
; Sequence 322, Application US/09764855  
; Patent No. US20020119919A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: P1110  
; CURRENT APPLICATION NUMBER: US/09/764,855  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 322  
; LENGTH: 16552  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-855-322

Query Match 2.4%; Score 41; DB 10; Length 16552;  
Best Local Similarity 100.0%; Pred. No. 2.8e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176  
|||||  
Db 6659 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6619

## RESULT 35

US-09-764-877-3806/c  
; Sequence 3806, Application US/09764877  
; Patent No. US20020147140A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC005  
; CURRENT APPLICATION NUMBER: US/09/764,877  
; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - refer to PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 4031  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3806  
; LENGTH: 18878  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-877-3806

Query Match 2.4%; Score 41; DB 10; Length 18878;  
Best Local Similarity 100.0%; Pred. No. 2.8e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 227 TCCACGCTACTAGGAGCTGAGGCGAGGAGAGATTGCTTGAA 267  
Db 1561 TCCACGCTACTAGGAGCTGAGGCGAGGAGAGATTGCTTGAA 1521

## RESULT 36

US-09-764-891-8034/c  
; Sequence 8034, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 8034  
; LENGTH: 27062  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-891-8034

Query Match 2.4%; Score 41; DB 9; Length 27062;  
Best Local Similarity 100.0%; Pred. No. 2.7e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCTGCGCCAAACATGGTGAACCC 176  
Db 4412 GTCAGGAGTTCAAGACTAGCTGCGCCAAACATGGTGAACCC 4372

## RESULT 37

US-09-835-081-3  
; Sequence 3, Application US/09835081  
; Patent No. US20020151020A1  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Xianghe et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: CL001224  
; CURRENT APPLICATION NUMBER: US/09/835,081  
; CURRENT FILING DATE: 2001-04-16  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 57130  
; TYPE: DNA  
; ORGANISM: Human  
US-09-835-081-3

Query Match 2.4%; Score 41; DB 10; Length 57130;  
Best Local Similarity 100.0%; Pred. No. 2.5e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 GGTGCGGTGGCTCATGCTATATATCCAGCAGCACTTTGGGAG 111  
Db 23473 GGTGCGGTGGCTCATGCTATATATCCAGCAGCACTTTGGGAG 23513

## RESULT 38

US-09-982-091A-5  
; Sequence 5, Application US/09982091A  
; Patent No. US20020151030A1  
; GENERAL INFORMATION:  
; APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY  
; APPLICANT: KUNAGAI, Akiko  
; APPLICANT: DUNPHY, William  
; TITLE OF INVENTION: CLASPIN PROTEINS AND METHODS OF USE THEREOF  
; FILE REFERENCE: CFT1320-1  
; CURRENT APPLICATION NUMBER: US/09/982,091A  
; CURRENT FILING DATE: 2002-10-17  
; PRIOR APPLICATION NUMBER: US 60/241,246  
; PRIOR FILING DATE: 2000-10-17  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 58837  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-982-091A-5

Query Match 2.4%; Score 41; DB 10; Length 58837;  
Best Local Similarity 100.0%; Pred. No. 2.5e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCTGCGCCAAACATGGTGAACCC 176  
Db 1206 GTCAGGAGTTCAAGACTAGCTGCGCCAAACATGGTGAACCC 1246

## RESULT 39

US-09-901-152-3/c  
; Sequence 3, Application US/09901152  
; Publication No. US20030022824A1  
; GENERAL INFORMATION:  
; APPLICANT: HU, Song et al.  
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,  
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND  
; TITLE OF INVENTION: USES THEREOF

; FILE REFERENCE: CL001248  
; CURRENT APPLICATION NUMBER: US/09/901,152  
; CURRENT FILING DATE: 2001-07-10  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 58985  
; TYPE: DNA  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(58985)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-901-152-3

Query Match 2.4%; Score 41; DB 9; Length 58985;  
Best Local Similarity 100.0%; Pred. No. 2.5e-10;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 GGTGCGGTGGCTCATGCTATATATCCAGCAGCACTTTGGGAG 111  
Db 15004 GGTGCGGTGGCTCATGCTATATATCCAGCAGCACTTTGGGAG 14964

## RESULT 40

US-09-859-888-3  
; Sequence 3, Application US/09859888  
; Patent No. US20020173459A1  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,

```
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; FILE REFERENCE: CL001239
; CURRENT APPLICATION NUMBER: US/09/859,888
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 65464
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc:feature
; LOCATION: (1)...(65464)
; OTHER INFORMATION: n = A,T,C or G
US-09-859-888-3

Query Match      2.4%; Score 41; DB 9; Length 65464;
Best Local Similarity 100.0%; Pred. No. 2.4e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAA 258
      |||||||
Db 7275 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAA 7315

RESULT 41
US-09-880-107-3949/c
; Sequence 3949, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3949
; LENGTH: 76798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 284718
US-09-880-107-3949

Query Match      2.4%; Score 41; DB 10; Length 76798;
Best Local Similarity 100.0%; Pred. No. 2.4e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 GGGTGGGTGGCTCATGCTTATATCCAGCACTTTGGGAG 111
      |||||||
Db 28999 GGGTGGGTGGCTCATGCTTATATCCAGCACTTTGGGAG 28959

RESULT 42
US-10-094-989-3
; Sequence 3, Application US/10094989
; Patent No. US20020115179A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHODIESTERASE
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: PHOSPHODIESTERASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001063DIV
; CURRENT APPLICATION NUMBER: US/10/094,989
```

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; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 09/754,250
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 111282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc:feature
; LOCATION: (1)...(111282)
; OTHER INFORMATION: n = A,T,C or G
US-10-094-989-3

Query Match      2.4%; Score 41; DB 12; Length 111282;
Best Local Similarity 100.0%; Pred. No. 2.3e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 227 TCCAGCTACTTAGGAGGCTGAGGCGAGGAGCAATGCTTGAA 267
      |||||||
Db 3839 TCCAGCTACTTAGGAGGCTGAGGCGAGGAGCAATGCTTGAA 3879

RESULT 43
US-09-910-185-11
; Sequence 11, Application US/09910185
; Publication No. US20030083279A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF GLIOMA-ASSOCIATED ONCOGENE-3 EXPRESSION
; FILE REFERENCE: RTS-0258
; CURRENT APPLICATION NUMBER: US/09/910,185
; CURRENT FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 11
; LENGTH: 123526
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-910-185-11

Query Match      2.4%; Score 41; DB 9; Length 123526;
Best Local Similarity 100.0%; Pred. No. 2.3e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAGAGCTAGCTGCGCCCAACATGGTGAACCC 176
      |||||||
Db 71978 GTCAGGAGTTCAGAGCTAGCTGCGCCCAACATGGTGAACCC 72018

RESULT 44
US-09-804-474A-3/c
; Sequence 3, Application US/09804474A
; Patent No. US20020119518A1
; GENERAL INFORMATION:
; APPLICANT: KODET, Stefan et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000891
; CURRENT APPLICATION NUMBER: US/09/804,474A
; CURRENT FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 126512
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc:feature
; LOCATION: (1)...(126512)
; OTHER INFORMATION: n = A,T,C or G
```



; PRIOR FILING DATE: 2000-06-28  
; PRIOR APPLICATION NUMBER: 60/217,487  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,758  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/220,963  
; PRIOR FILING DATE: 2000-07-26  
; PRIOR APPLICATION NUMBER: 60/217,496  
; PRIOR FILING DATE: 2000-07-11  
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; Sequence 883, Application US/10091572
; Publication No. US20030054373A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P4118C1
; CURRENT APPLICATION NUMBER: US/10/091,572
; CURRENT FILING DATE: 2002-03-07
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Query Match 2.4%; Score 40; DB 9; Length 1516;  
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## RESULT 50

US-09-764-891-9335/c  
; Sequence 9335, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 9335  
; LENGTH: 1516  
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US-09-764-891-9335

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Search completed: June 14, 2003, 18:00:24  
Job time : 376 secs



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 3.56992 Seconds  
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Scoring table: IDENTITY\_NUC  
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Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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6: /cgn2.6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	22	53.7	14985	5	PCT-US96-06231A-6
5	21	51.2	3958	1	US-08-435-933-5
6	21	51.2	3958	5	PCT-US96-06035-5
7	20.4	49.8	1194	4	US-09-134-001C-2256
8	20.4	49.8	16442	3	US-08-781-891-208
9	20.4	49.8	111282	4	US-09-754-250-3
10	20.2	49.3	350	1	US-08-472-217-4
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15	19.8	48.3	1493	1	US-08-340-820-24
16	19.8	48.3	1493	4	US-08-593-535-24
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28	18.8	45.9	270	1	US-08-222-177A-51	Sequence 51, Appl
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C 45	18.4	44.9	3172	4	US-08-449-731-3	Sequence 3, Appl1

ALIGNMENTS

RESULT 1  
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; Patent No. 6048702  
; GENERAL INFORMATION:  
; APPLICANT: Prendergast, George C.  
; APPLICANT: Sakamuro, Daitoku  
; TITLE OF INVENTION: Murine and Human Box-Dependent  
; TITLE OF INVENTION: MYC-Interacting Protein (Bin1) and Uses Therefor  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Howson and Howson  
; STREET: Spring House Corporate Cntr, P O Box 457  
; CITY: Spring House  
; STATE: Pennsylvania  
; COUNTRY: USA  
; ZIP: 19477  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/870,126  
; FILING DATE:  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/435,454  
; FILING DATE: 05-MAY-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/652,972  
; FILING DATE: 24-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kodroff, Cathy A.  
; REGISTRATION NUMBER: 33,980  
; REFERENCE/DOCKET NUMBER: WST60CUSA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-540-9200  
; TELEFAX: 215-540-5818  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8310 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: unknown  
; MOLECULE TYPE: DNA (genomic)  
; FEATURE:  
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/ OTHER INFORMATION: /note= "exon 11"
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/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 5688..5929
/ OTHER INFORMATION: /note= "putative.alt.exon"
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/ FEATURE:
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/ LOCATION: 7094..7221
/ OTHER INFORMATION: /note= "exon 12"
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/ US-08-870-126-11
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/ Query Match 53.7%; Score 22; DB 3; Length 8310;
/ Best Local Similarity 73.7%; Pred. No. 4.2;
/ Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
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/ RESULT 2
/ US-09-445-247-11
/ ; Sequence 11, Application US/09445247
/ ; Patent No. 6410238
/ ; GENERAL INFORMATION:
/ ; APPLICANT: Wistar Institute of Anatomy & Biology
/ ; ; Prendergast, George C.
/ ; ; Sakamuro, Daitoku
/ ; TITLE OF INVENTION: Box-Dependent MYC-Interacting Protein
/ ; (Bin1) Compositions and Uses Therefor
/ ;
/ ; NUMBER OF SEQUENCES: 22
/ ; CORRESPONDENCE ADDRESSES:
/ ; ADDRESS: Howson and Howson
/ ; STREET: Spring House Corporate Cntr, P O Box 457
/ ; CITY: Spring House
/ ; STATE: Pennsylvania
/ ; COUNTRY: USA
/ ; ZIP: 19477
/ ;
/ ; COMPUTER READABLE FORM:
/ ; MEDIUM TYPE: Floppy disk
/ ; COMPUTER: IBM PC compatible
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/ ; SOFTWARE: Patentin Release #1.0, Version #1.30
/ ; CURRENT APPLICATION DATA:
/ ; APPLICATION NUMBER: US/09/445,247
/ ; FILING DATE: 03-Dec-1999
/ ; CLASSIFICATION: <Unknown>
/ ; PRIOR APPLICATION DATA:
/ ; APPLICATION NUMBER: US 08/870,126
/ ; FILING DATE: 06-JUN-1997
/ ; ATTORNEY/AGENT INFORMATION:
/ ; NAME: Bak, Mary E.
/ ; REGISTRATION NUMBER: 31,215
/ ; REFERENCE/DOCKET NUMBER: WST60DPCT
/ ; TELECOMMUNICATION INFORMATION:
/ ; TELEPHONE: 215-540-9200
/ ; TELEFAX: 215-540-5818
/ ; INFORMATION FOR SEQ ID NO: 11:
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/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 8310 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: unknown
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
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/ LOCATION: 680..765
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/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 1052..1127
/ OTHER INFORMATION: /note= "exon 8"
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/ Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
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/ QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAG 38
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/ Db 3220 GTGTGAGGGGACTGTGTGACAGGCTGAAGTGTGTG 3257
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/ RESULT 3
/ US-08-652-972A-6
/ ; Sequence 6, Application US/08652972A
/ ; Patent No. 5723581
/ ; GENERAL INFORMATION:
/ ; APPLICANT: Prendergast, George C.
/ ; APPLICANT: Sakamuro, Daitoku
/ ; TITLE OF INVENTION: Murine and Human Box-Dependent
/ ; TITLE OF INVENTION: MYC-Interacting Protein (BIN1) and Uses Therefor
/ ; NUMBER OF SEQUENCES: 7
/ ; CORRESPONDENCE ADDRESSES:
/ ; ADDRESSEE: Howson and Howson
/ ; STREET: Spring House Corporate Cntr, P O Box 457
/ ; CITY: Spring House
/ ; STATE: Pennsylvania
/ ; COUNTRY: USA
/ ; ZIP: 19477
/ ;
/ ; COMPUTER READABLE FORM:
/ ; MEDIUM TYPE: Floppy disk
/ ; COMPUTER: IBM PC compatible
/ ; OPERATING SYSTEM: PC-DOS/MS-DOS
/ ; SOFTWARE: Patentin Release #1.0, Version #1.30
/ ; CURRENT APPLICATION DATA:
/ ; APPLICATION NUMBER: US/08/652,972A
/ ; FILING DATE: 24-MAY-1996
/ ; CLASSIFICATION: 514
/ ; PRIOR APPLICATION DATA:
/ ; APPLICATION NUMBER: US 08/435,454
/ ; FILING DATE: 05-MAY-1995
/ ; ATTORNEY/AGENT INFORMATION:
/ ; NAME: Bak, Mary E.
/
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REGISTRATION NUMBER: 31,215  
REFERENCE/DOCKET NUMBER: WST60BUSA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-540-9200  
TELEFAX: 215-540-5818  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14985 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: unsure  
LOCATION: 1332  
OTHER INFORMATION: /note= "unsequenced segment"  
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OTHER INFORMATION: /note= "Exon 7"  
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US-08-652-972A-6  
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Best Local Similarity 73.78; Pred. No. 4.8;  
Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;  
1 GTGTGAGAGAAATGTGTGCYCTAAGTCTCAGTGTGAG 38  
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RESULT 4  
PCT-US96-06231A-6  
Sequence 6, Application PC/TUS9606231A  
GENERAL INFORMATION:  
APPLICANT: Wistar Institute of Anatomy & Biology  
TITLE OF INVENTION: Murine and Human Box-Dependent  
TITLE OF INVENTION: Myc-Interacting Protein (hINI) and Uses Therefor  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Howson and Howson  
STREET: Spring House Corporate Cntr, P O Box 457  
CITY: Spring House  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 19477  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/06231A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/435,454  
FILING DATE: 05-MAY-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Bak, Mary E.  
REGISTRATION NUMBER: 31,215  
REFERENCE/DOCKET NUMBER: WST60APCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-540-9200  
TELEFAX: 215-540-5818  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14985 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: unsure  
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; NAME/KEY: exon  
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; OTHER INFORMATION: /note= "Exon 8"  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: 14130...14985  
; OTHER INFORMATION: /note= "Exon 9"  
; PCT-US96-06231A-6

Query Match 53.7%; Score 22; DB 5; Length 14985;  
Best Local Similarity 73.7%; Pred. No. 4.8;  
Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAAGTGTCAAGTGTGAG 38  
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DB 2336 GTGTGAGGGGACTGTGTGTGACAGGTGTAACTGTGTG 2373

RESULT 5  
US-08-435-933-5  
; Sequence 5, Application US/08435933  
; Patent No. 5693492  
; GENERAL INFORMATION:  
; APPLICANT: Cully, Doris F.  
; APPLICANT: Arena, Joseph P.  
; APPLICANT: Pares, Philip S.  
; APPLICANT: Liu, Ken K.  
; TITLE OF INVENTION: DNA ENCODING GLUTAMATE GATED CHLORIDE  
; TITLE OF INVENTION: CHANNELS  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: John W. Wallen III  
; CITY: Rahway  
; STATE: New Jersey  
; COUNTRY: US  
; ZIP: 07065-0907  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/435.933  
; FILING DATE:  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Wallen, III John W.  
; REGISTRATION NUMBER: 35,403  
; REFERENCE/DOCKET NUMBER: 19264  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (908) 594-3905  
; TELEFAX: (908) 594-4720  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3958 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single

; TOPOLOGY: linear  
; MOLECULE TYPE: CDNA  
US-08-435-933-5

Query Match 51.2%; Score 21; DB 1; Length 3958;  
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Matches 27; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

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; Sequence 5, Application PC/TUS9606035  
; GENERAL INFORMATION:  
; APPLICANT: Cully, Doris F.  
; APPLICANT: Arena, Joseph P.  
; APPLICANT: Pares, Philip S.  
; APPLICANT: Liu, Ken K.  
; TITLE OF INVENTION: DNA ENCODING GLUTAMATE GATED CHLORIDE  
; TITLE OF INVENTION: CHANNELS  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jody M. Glessner  
; CITY: Rahway  
; STATE: New Jersey  
; COUNTRY: US  
; ZIP: 07065-0907  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US96/06035  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Glessner, Jody M.  
; REGISTRATION NUMBER: 32,838  
; REFERENCE/DOCKET NUMBER: 19264 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (908) 594-3046  
; TELEFAX: (908) 594-4720  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3958 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: CDNA  
PCT-US96-06035-5

Query Match 51.2%; Score 21; DB 5; Length 3958;  
Best Local Similarity 69.2%; Pred. No. 9.1;  
Matches 27; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

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DB 114 GTGTGTGTGAGTGTGTTTGTACATGTGCCAGTGTGAGT 152

RESULT 7  
US-09-134-001C-2256/C  
; Sequence 2256, Application US/09134001C  
; Patent No. 6380370  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC  
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS





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; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222.177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 62 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mfd2rs
US-08-222-177A-56

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Best Local Similarity 65.9%; Pred. No. 10;
Matches      27; Conservative    1; Mismatches   13; Indels

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RESULT 15
US-08-340-820-24
; Sequence 24, Application US/08340820
; Patent No. 5512460
; GENERAL INFORMATION:
; APPLICANT: NARUO, Ken-ichi
; APPLICANT: SEKO, Chisako
; APPLICANT: KUROKAWA, Tsutomu
; APPLICANT: KONDO, Tatsuya
; TITLE OF INVENTION: GLIA ACTIVATING FACTOR AND ITS
; PRODUCT
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
; ADDRESSEE: CUSHMAN
; STREET: 130 Water Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: US
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; APPLICATION NUMBER: US/08/340,820
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: US/07/835,713
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CONLIN, David G.
; REGISTRATION NUMBER: 27026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)523-3400
; TELEFAX: (617)523-6440
; TELEX: 200291 STRE UR
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1493 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; HAPLOTYPE: 2n
; TISSUE TYPE: skin
; CELL TYPE: fibroblast
; IMMEDIATE SOURCE:
; LIBRARY: Human foreskin cdna library
; CLONE: pGAF1
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US-08-340-820-24

Query Match 48.3%; Score 19.8; DB 1; Length 1493;
Best Local Similarity 65.9%; Pred. No. 22;
Matches 27; Conservative 1; Mismatches 13; Indels 0; Gaps 0;

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Job time : 5.56992 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 3.56992 Seconds  
(without alignments)  
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Title: US-09-942-310-2\_COPY\_600\_640  
Perfect score: 41  
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Scoring table: IDENTITY\_NUC

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Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 6	21.4	52.2	6007	3	US-09-024-0208-2
C 7	21.4	52.2	6007	4	US-09-425-043-2
C 8	21.4	52.2	6556	3	US-09-024-0208-7
C 9	21.4	52.2	6556	4	US-09-425-043-7
C 10	21.4	52.2	6586	3	US-09-024-0208-43
C 11	21.4	52.2	6586	4	US-09-425-043-43
C 12	21.4	52.2	6826	3	US-09-024-0208-8
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C 15	21.2	51.7	2359	1	US-08-646-715-4
C 16	21.2	51.2	2652	1	US-08-318-831-1
C 17	20.4	49.8	1780	4	US-09-202-3488-5
C 18	20.4	49.8	1782	4	US-09-318-448-10
C 19	20.4	49.8	2198	2	US-08-633-879C-1
C 20	20.4	49.8	3582	4	US-08-538-526-2
C 21	20.4	49.8	4403765	4	US-09-103-840A-2
C 22	20.4	49.8	4411529	4	US-09-103-840A-1
C 23	20.2	49.3	2249	3	US-08-814-052-19
C 24	20.2	49.3	2279	3	US-08-814-052-17
C 25	20.2	49.3	2300	3	US-08-814-052-18
C 26	20.2	49.3	3183	2	US-08-939-218A-1
C 27	20.2	49.3	3187	5	PCT-US95-06815-1

C 28	20.2	49.3	3192	1	US-08-706-037-26	Sequence 26, Appl
C 29	20.2	49.3	3192	1	US-08-940-661A-1	Sequence 1, Appl
C 30	20.2	49.3	3192	2	US-09-083-485-1	Sequence 1, Appl
C 31	20.2	49.3	3192	2	US-09-005-397-26	Sequence 26, Appl
C 32	20	48.8	272	4	US-08-858-207A-28	Sequence 28, Appl
C 33	20	48.8	645	3	US-09-188-930-273	Sequence 273, App
C 34	20	48.8	1335	3	US-09-188-930-76	Sequence 76, Appl
C 35	20	48.8	1335	3	US-09-188-930-261	Sequence 261, App
C 36	20	48.8	4190	3	US-08-938-291A-2	Sequence 2, Appl
C 37	20	48.8	8916	4	US-09-579-181-11	Sequence 11, Appl
C 38	20	48.8	9354	4	US-09-579-181-10	Sequence 10, Appl
C 39	19.8	48.3	1058	4	US-08-213-419B-20	Sequence 20, Appl
C 40	19.8	48.3	1638	3	US-08-833-553-1	Sequence 1, Appl
C 41	19.8	48.3	1638	4	US-09-078-173A-12	Sequence 12, Appl
C 42	19.8	48.3	1638	4	US-09-418-222-1	Sequence 1, Appl
C 43	19.8	48.3	2316	1	US-08-246-403A-7	Sequence 7, Appl
C 44	19.8	48.3	2316	1	US-08-246-403A-10	Sequence 10, Appl
C 45	19.8	48.3	2440	1	US-08-160-861-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1

US-09-103-840A-2  
; Sequence 2, Application US/09103840A  
; Patent No. 6294328  
; GENERAL INFORMATION:  
; APPLICANT: FLEISCHMAN, Robert D.  
; APPLICANT: WHITE, Owen R.  
; APPLICANT: FRASER, Claire M.  
; APPLICANT: VENTER, John C.  
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM  
; FILE REFERENCE: 24366-20007.00  
; CURRENT APPLICATION NUMBER: US/09/103,840A  
; CURRENT FILING DATE: 1998-06-24  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 4403765  
; TYPE: DNA  
; ORGANISM: Mycobacterium tuberculosis  
; FEATURE:  
; OTHER INFORMATION: CDC 1551  
; OTHER INFORMATION: "n" bases at various positions throughout the sequence  
; OTHER INFORMATION: represent a, t, c or g  
US-09-103-840A-2

Query Match 53.7%; Score 22; DB 4; Length 4403765;  
Best Local Similarity 70.0%; Pred. No. 38;  
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

Qy 2 GAAACAGTGAGGAGGACACCTCAGCAGCCGGGAG 41  
Db 1322917 GAATCACTGGGTGGACATCCGAGCGCCCGCGC 1322956

RESULT 2

US-09-103-840A-1  
; Sequence 1, Application US/09103840A  
; Patent No. 6294328  
; GENERAL INFORMATION:  
; APPLICANT: FLEISCHMAN, Robert D.  
; APPLICANT: WHITE, Owen R.  
; APPLICANT: FRASER, Claire M.  
; APPLICANT: VENTER, John C.  
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM  
; FILE REFERENCE: 24366-20007.00  
; CURRENT APPLICATION NUMBER: US/09/103,840A  
; CURRENT FILING DATE: 1998-06-24  
; NUMBER OF SEQ ID NOS: 2

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5977 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-024-020B-1

Query Match 52.2%; Score 21.4; DB 3; Length 5977;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACRACCTCAGGCAGCCGGGAG 41
Db 2795 AGGAAGGAGTGAAGAAGTCTTCATGTGCCAGCGGGAG 2755
|||||
|||||

RESULT 5
US-09-425-043-1/c
; Sequence 1, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/425,043
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322

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; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5977 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-09-425-043-1

Query Match 52.2%; Score 21.4; DB 4; Length 5977;  
Best Local Similarity 68.3%; Pred. No. 48;  
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACCCCTCAGCAGCCCGGGAG 41  
|| ||| ||||| || | | | | |||| |||||  
Db 2795 AGGAAGGAGTGGGAAGTGGTTCATGTGCCAGCGGGAG 2755

## RESULT 6

US-09-024-020B-2/c  
; Sequence 2, Application US/09024020B  
; Patent No. 6030810  
; GENERAL INFORMATION:  
; APPLICANT: DELGADO, STEPHEN G.  
; APPLICANT: DIETRICH, PAUL S.  
; APPLICANT: FISH, LINDA M.  
; APPLICANT: HERMAN, RONALD C.  
; APPLICANT: SANGAMESWARAN, LAKSHMI  
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE  
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: JANET PAULINE CLARK  
; STREET: 3401 HILLVIEW AVENUE, MS A2-250  
; CITY: PALO ALTO  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 94304-1397  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/024,020B  
; FILING DATE: 16-FEB-1998  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/039,447  
; FILING DATE: 26-FEB-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CLARK, JANET P.  
; REGISTRATION NUMBER: 34,799  
; REFERENCE/DOCKET NUMBER: R0020B-REG  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 852-3097  
; TELEFAX: (650) 855-5322  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6007 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-09-024-020B-2

Query Match 52.2%; Score 21.4; DB 3; Length 6007;  
Best Local Similarity 68.3%; Pred. No. 48;  
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACCCCTCAGCAGCCCGGGAG 41  
|| ||| ||||| || | | | | |||| |||||  
Db 2825 AGGAAGGAGTGGGAAGTGGTTCATGTGCCAGCGGGAG 2785

## RESULT 7

US-09-425-043-2/c  
; Sequence 2, Application US/09425043  
; Patent No. 6335172  
; GENERAL INFORMATION:  
; APPLICANT: DELGADO, STEPHEN G.  
; APPLICANT: DIETRICH, PAUL S.  
; APPLICANT: FISH, LINDA M.  
; APPLICANT: HERMAN, RONALD C.  
; APPLICANT: SANGAMESWARAN, LAKSHMI  
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE  
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: JANET PAULINE CLARK  
; STREET: 3401 HILLVIEW AVENUE, MS A2-250  
; CITY: PALO ALTO  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 94304-1397  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/425,043  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 09/024,020  
; FILING DATE: 16-FEB-1998  
; APPLICATION NUMBER: US 60/039,447  
; FILING DATE: 26-FEB-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CLARK, JANET P.  
; REGISTRATION NUMBER: 34,799  
; REFERENCE/DOCKET NUMBER: R0020B-REG  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 852-3097  
; TELEFAX: (650) 855-5322  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6007 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-09-425-043-2

Query Match 52.2%; Score 21.4; DB 4; Length 6007;  
Best Local Similarity 68.3%; Pred. No. 48;  
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACCCCTCAGCAGCCCGGGAG 41  
|| ||| ||||| || | | | | |||| |||||  
Db 2825 AGGAAGGAGTGGGAAGTGGTTCATGTGCCAGCGGGAG 2785

## RESULT 8

US-09-024-020B-7/c  
; Sequence 7, Application US/09024020B  
; Patent No. 6030810  
; GENERAL INFORMATION:  
; APPLICANT: DELGADO, STEPHEN G.  
; APPLICANT: DIETRICH, PAUL S.  
; APPLICANT: FISH, LINDA M.  
; APPLICANT: HERMAN, RONALD C.  
; APPLICANT: SANGAMESWARAN, LAKSHMI  
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE  
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF

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; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6536 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-425-043-7

Query Match          52.2%; Score 21.4; DB 4; Length 6556;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY      1 AGAAGCAGTGGAGGACGACCCCTCAGCGAGCCGCCGGGAG 41
DB      2942 AGGAAGGAGTGGAAGAAGTCGTTCATGTGCCAGCGCGGAG 2902
        ||||||| | | | | | | | | | | | | | | | | | | |
RESULT 10
US-09-024-020B-43/c
; Sequence 43, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,020B
FILING DATE: 16-FEB-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 6586 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-024-020B-43

Query Match      52.2%; Score 21.4; DB 3; Length 6586;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCCGGGAG 41
   ||| ||||| ||| | | | | ||| |||||
Db 2972 AGGAAGGAGTGGGAAGAAGTCGTTTCATGTGCCAGCGGGAG 2932

RESULT 11
US-09-425-043-43/c
; Sequence 43, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6586 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-425-043-43

Query Match      52.2%; Score 21.4; DB 4; Length 6586;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCCGGGAG 41
   ||| ||||| ||| | | | | ||| |||||
Db 2972 AGGAAGGAGTGGGAAGAAGTCGTTTCATGTGCCAGCGGGAG 2932

RESULT 12
US-09-024-020B-8/c
; Sequence 8, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6826 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-024-020B-8

Query Match      52.2%; Score 21.4; DB 3; Length 6826;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCCGGGAG 41
   ||| ||||| ||| | | | | ||| |||||
Db 2768 AGGAAGGAGTGGGAAGAAGTCGTTTCATGTGCCAGCGGGAG 2728

RESULT 13
US-09-425-043-8/c
; Sequence 8, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
```

STREET: 3401 HILLVIEW AVENUE, MS A2-250  
CITY: PALO ALTO  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 94304-1397  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/425,043  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 09/024,020  
FILING DATE: 16-FEB-1998  
APPLICATION NUMBER: US 60/039,447  
FILING DATE: 26-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: CLARK, JANET P.  
REGISTRATION NUMBER: 34,799  
REFERENCE/DOCKET NUMBER: R0020B-REG  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 852-3097  
TELEFAX: (650) 855-5322  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6826 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-09-425-043-8

Query Match 52.2%; Score 21.4; DB 4; Length 6826;  
Best Local Similarity 68.3%; Pred. No. 48;  
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACCTCAGGAGCCGGGAG 41  
DB 2768 AGAAGGAGTGAAGAGTGTTCATGTGCCAGCCGGGAG 2728

RESULT 14  
US-08-188-582-4  
Sequence 4, Application US/08188582  
Patent No. 5534410  
GENERAL INFORMATION:  
APPLICANT: Tjian, Robert  
APPLICANT: Comai, Lucio  
APPLICANT: Dynlacht, Brian D.  
APPLICANT: Hoey, Timothy  
APPLICANT: Ruppert, Siegfried  
APPLICANT: Tanese, Naoko  
APPLICANT: Wang, Edith  
APPLICANT: Weinzierl, Robert O.J.  
TITLE OF INVENTION: TATA-BINDING PROTEIN ASSOCIATED FACTORS,  
NUMBER OF SEQUENCES: 36  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
STREET: 4 Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/188,582  
FILING DATE: 28-JAN-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Osman, Richard A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: A-57650-2/AJT/RAO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2359 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 49...2160  
US-08-188-582-4

Query Match 51.7%; Score 21.2; DB 1; Length 2359;  
Best Local Similarity 72.2%; Pred. No. 51;  
Matches 26; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 5 AGCAGTGGAGGAGGACCTCAGGAGCCGGGGA 40  
DB 927 ACCAGAGGAGGAGGACGATGATCGGATGCCCGGA 962

RESULT 15  
US-08-646-715-4  
Sequence 4, Application US/08646715  
Patent No. 5637686  
GENERAL INFORMATION:  
APPLICANT: Tjian, Robert  
APPLICANT: Comai, Lucio  
APPLICANT: Dynlacht, Brian D.  
APPLICANT: Hoey, Timothy  
APPLICANT: Ruppert, Siegfried  
APPLICANT: Tanese, Naoko  
APPLICANT: Wang, Edith  
APPLICANT: Weinzierl, Robert O.J.  
TITLE OF INVENTION: TATA-BINDING PROTEIN ASSOCIATED FACTORS,  
NUMBER OF SEQUENCES: 36  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
STREET: 4 Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/646,715  
FILING DATE: 09-MAY-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/188,582  
FILING DATE: 28-JAN-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Osman, Richard A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: A-57650-2/AJT/RAO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989

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; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2359 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 49..2160
US-08-646-715-4

Query Match      51.7%; Score 21.2; DB 1; Length 2359;
Best Local Similarity 72.2%; Pred. NO. 51;
Matches 26; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY      5 AGCAGTGGAGGAGGACRACCCCTCAGGCAGCCCGGGA 40
      | ||| ||||| ||||| || || ||||| |||
Db      927 ACCAGAGGAGGAGGAGGTGATCCCGATGCCCGCGGA 962
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Search completed: June 14, 2003, 09:35:04  
Job time : 28.5699 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 09:27:43 ; Search time 10.8828 Seconds  
(without alignments)  
5455.418 Million cell updates/sec

Title: US-09-942-310-2\_COPY\_600\_640  
Perfect score: 41  
Sequence: 1 agaaagcagtggaggagc.....accctcaggcagccgggag 41

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_NA:\*

- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
- 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	40.6	99.0	1680	9	US-09-942-310-2	Sequence 2, Appl1
2	40.6	99.0	9432	9	US-09-942-310-1	Sequence 1, Appl1
3	40.6	99.0	9432	9	US-10-209-737-1	Sequence 1, Appl1
4	40.6	99.0	9433	9	US-10-209-737-2	Sequence 2, Appl1
5	24.6	60.0	159	10	US-09-864-761-25857	Sequence 25857, A
6	24.6	60.0	555	10	US-09-864-761-9308	Sequence 9308, Ap
7	24.6	60.0	2636	10	US-09-789-404-1	Sequence 1, Appl1
8	24.6	60.0	2781	9	US-10-037-270-622	Sequence 622, App
9	22.4	54.6	3314	10	US-09-764-864-490	Sequence 490, App
10	22	53.7	1845	9	US-09-778-844-64	Sequence 64, Appl
11	22	53.7	185695	9	US-10-020-141-11	Sequence 11, Appl
12	22	53.7	185695	9	US-10-017-721-1	Sequence 1, Appl1
13	21.8	53.2	195	10	US-09-864-761-18173	Sequence 18173, A
14	21.8	53.2	195	10	US-09-864-761-19007	Sequence 19007, A
15	21.8	53.2	432	10	US-09-876-889-223	Sequence 223, App
16	21.8	53.2	461	10	US-09-864-761-2269	Sequence 2269, Ap
17	21.8	53.2	462	10	US-09-864-761-2795	Sequence 2795, Ap
18	21.8	53.2	620	10	US-09-925-297-303	Sequence 303, App
19	21.8	53.2	906	10	US-09-925-297-302	Sequence 302, App

20 53.2 1006 9 US-09-964-899-22 Sequence 22, Appl1  
c 21 53.2 4215 9 US-10-037-270-295 Sequence 295, App  
c 22 17252 9 US-10-074-095-1102 Sequence 1102, Ap  
c 23 17252 10 US-09-764-860-1102 Sequence 1102, Ap  
c 24 17252 10 US-09-880-107-3949 Sequence 3949, Ap  
c 25 267 10 US-09-923-876-460 Sequence 460, App  
c 26 170834 10 US-09-835-232-7 Sequence 7, Appl1  
c 27 1143 10 US-09-822-849-95 Sequence 95, Appl1  
c 28 183 10 US-09-864-761-26896 Sequence 26896, A  
c 29 250 10 US-09-998-598-1948 Sequence 1948, Ap  
c 30 479 10 US-09-864-761-10261 Sequence 10261, A  
c 31 483 9 US-09-918-995-27238 Sequence 27238, A  
c 32 587 9 US-10-015-219-1652 Sequence 1652, Ap  
c 33 587 10 US-09-777-564-1652 Sequence 1652, Ap  
c 34 1639 9 US-10-198-846-13062 Sequence 13062, A  
c 35 3109 9 US-09-746-783-85 Sequence 85, Appl1  
c 36 52216 10 US-09-747-810-1 Sequence 1, Appl1  
c 37 899 9 US-10-243-157-4 Sequence 4, Appl1  
c 38 50.7 899 9 US-10-243-157-5 Sequence 5, Appl1  
c 39 905 9 US-10-119-466-11 Sequence 11, Appl1  
c 40 905 9 US-10-243-157-1 Sequence 1, Appl1  
c 41 905 9 US-10-243-157-2 Sequence 2, Appl1  
c 42 932 10 US-09-840-795-18 Sequence 18, Appl1  
c 43 1156 9 US-10-231-426-2 Sequence 2, Appl1  
c 44 1550 9 US-09-796-753-7 Sequence 7, Appl1  
c 45 3152 9 US-10-046-433-60 Sequence 60, Appl1

ALIGNMENTS

RESULT 1  
US-09-942-310-2  
; Sequence 2, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olaisson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 polymorphisms  
; FILE REFERENCE: GG119.1US  
; CURRENT APPLICATION NUMBER: US/09/942.310  
; CURRENT FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: GB 0021286.0  
; PRIOR FILING DATE: 2000-08-30  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 1680  
; TYPE: DNA  
; ORGANISM: homo sapiens  
US-09-942-310-2

Query Match 99.0%; Score 40.6; DB 9; Length 1680;  
Best Local Similarity 100.0%; Pred. No. 2.2e-06;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCGGGAG 41  
|||||  
Db 500 AGAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCGGGAG 640

RESULT 2  
US-09-942-310-1  
; Sequence 1, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olaisson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 polymorphisms

; FILE REFERENCE: GG119.LUS  
; CURRENT APPLICATION NUMBER: US/09/942,310  
; CURRENT FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: GB 0021286.0  
; PRIOR FILING DATE: 2000-08-30  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 9432  
; TYPE: DNA  
; ORGANISM: homo sapiens  
US-09-942-310-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;  
Best Local Similarity 97.6%; Pred. No. 1.9e-06;  
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACACCCCTCAGGAGCCCGGGAG 41  
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Db 600 AGAAGCAGTGGAGGAGGAGGACACCCCTCAGGAGCCCGGGAG 640

## RESULT 3

US-10-209-737-1  
; Sequence 1, Application US/10209737  
; Publication No. US20030083485A1  
; GENERAL INFORMATION:  
; APPLICANT: Pfizer Inc.  
; APPLICANT: Milos, Patrice M.  
; APPLICANT: Webb, Suzin M.  
; TITLE OF INVENTION: No. US20030083485A1 Variants Of The Human CYP2D6 Gene  
; FILE REFERENCE: PC11033AGR  
; CURRENT APPLICATION NUMBER: US/10/209,737  
; PRIOR FILING DATE: 2002-07-31  
; PRIOR APPLICATION NUMBER: US 60/309,111  
; PRIOR FILING DATE: 2001-07-31  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 9432  
; TYPE: DNA  
; ORGANISM: HOMO SAPIENS  
US-10-209-737-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;  
Best Local Similarity 97.6%; Pred. No. 1.9e-06;  
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACACCCCTCAGGAGCCCGGGAG 41  
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Db 600 AGAAGCAGTGGAGGAGGAGGACACCCCTCAGGAGCCCGGGAG 640

## RESULT 4

US-10-209-737-2  
; Sequence 2, Application US/10209737  
; Publication No. US20030083485A1  
; GENERAL INFORMATION:  
; APPLICANT: Pfizer Inc.  
; APPLICANT: Milos, Patrice M.  
; APPLICANT: Webb, Suzin M.  
; TITLE OF INVENTION: No. US20030083485A1 Variants Of The Human CYP2D6 Gene  
; FILE REFERENCE: PC11033AGR  
; CURRENT APPLICATION NUMBER: US/10/209,737  
; PRIOR FILING DATE: 2002-07-31  
; PRIOR APPLICATION NUMBER: US 60/309,111  
; PRIOR FILING DATE: 2001-07-31  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 9433  
; TYPE: DNA  
; ORGANISM: HOMO SAPIENS

US-10-209-737-2

Query Match 99.0%; Score 40.6; DB 9; Length 9433;  
Best Local Similarity 97.6%; Pred. No. 1.9e-06;  
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGAGGACACCCCTCAGGAGCCCGGGAG 41  
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Db 600 AGAAGCAGTGGAGGAGGAGGACACCCCTCAGGAGCCCGGGAG 640

## RESULT 5

US-09-864-761-25857  
; Sequence 25857, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO  
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
; FILE REFERENCE: Acomica-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; PRIOR FILING DATE: 2001-01-29  
; NUMBER OF SEQ ID NOS: 49117  
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 25857  
; LENGTH: 159  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AL035681.13  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.8  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.3

; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.3  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7  
; OTHER INFORMATION: NT HIT: U02972.1, EVALUE 9.20e-02  
; OTHER INFORMATION: EST\_HUMAN HIT: BF48000.1, EVALUE 2.00e-84  
; OTHER INFORMATION: SWISSPROT HIT: P16356, EVALUE 2.00e-01  
US-09-864-761-25857

Query Match 60.0%; Score 24.6; DB 10; Length 159;  
Best Local Similarity 73.2%; Pred. No. 2.5;  
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGAGCCCGGAG 41  
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Db 49 AGAAGCCCTGCTGGAGGACGACCCCTCAGGAGTCCAGGAAG 89  
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## RESULT 6

US-09-864-761-9308

; Sequence 9308, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

; FILE REFERENCE: AeonLca-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203

; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

; SEQ ID NO 9308

; LENGTH: 555

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AL035681.13

; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.8

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.3

; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.3

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7  
US-09-864-761-9308

Query Match 60.0%; Score 24.6; DB 10; Length 555;  
Best Local Similarity 73.2%; Pred. No. 2.3;  
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGAGCCCGGAG 41  
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Db 298 AGAAGCCCTGCTGGAGGACGACCCCTCAGGAGTCCAGGAAG 338  
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## RESULT 7

US-09-789-404-1/c

; Sequence 1, Application US/09789404

; Patent No. US20020025544A1

; GENERAL INFORMATION:

; APPLICANT: Khodadoust, Mehran

; TITLE OF INVENTION: NOVEL LEUCINE RICH REPEAT-CONTAINING MOLECULES AND USES THEREOF

; FILE REFERENCE: 10448/008001

; CURRENT APPLICATION NUMBER: US/09/789,404

; CURRENT FILING DATE: 2001-02-20

; PRIOR APPLICATION NUMBER: 09/456,592

; PRIOR FILING DATE: 1999-12-08

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 2636

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (33)...(2414)

; NAME/KEY: misc\_feature

; LOCATION: (1)...(2636)

; OTHER INFORMATION: n = A,T,C or G  
US-09-789-404-1

Query Match 60.0%; Score 24.6; DB 10; Length 2636;  
Best Local Similarity 73.2%; Pred. No. 2;  
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGAGCCCGGAG 41  
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Db 2533 AGAAGCCCTGCTGGAGGACGACCCCTCAGGAGTCCAGGAAG 2493  
||||| ||| |||||:||||| ||| |||

## RESULT 8

US-10-037-270-622

; Sequence 622, Application US/10037270

; Publication No. US20030104529A1

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Ren, Feiyan

; APPLICANT: Chen, Rui-hong

; APPLICANT: Zhao, Qing A.

; APPLICANT: Wehrman, Tom

; APPLICANT: xue, Aidong J.

; APPLICANT: Yang, Yonghong

; APPLICANT: Wang, Jian-Rui

APPLICANT: Zhou, Ping  
APPLICANT: Ma, Yunqing  
APPLICANT: Wang, Dunrui  
APPLICANT: Wang, Zhiwei  
APPLICANT: Tillinghast, John  
APPLICANT: Drmanac, Radoje T.  
TITLE OF INVENTION: No. US20030104529A1el Nucleic Acids and  
TITLE OF INVENTION: Polypeptides  
FILE REFERENCE: 784CIP2B  
CURRENT APPLICATION NUMBER: US/10/037,270  
CURRENT FILING DATE: 2002-01-04  
PRIOR APPLICATION NUMBER: 09/552,317  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/488,725  
PRIOR FILING DATE: 2000-01-21  
NUMBER OF SEQ ID NOS: 1104  
SOFTWARE: pt\_FL\_genes Version 1.0  
SEQ ID NO 622  
LENGTH: 2781  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (263)..(1750)  
US-10-037-270-622

Query Match 60.0%; Score 24.6; DB 9; Length 2781;  
Best Local Similarity 73.2%; Pred. No. 2;  
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;  
Qy 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGCGCGGAG 41  
Db 1569 AGAAGCCCTCGTGGAGGAGGACCCCTCAGGTTGCCAGGAAG 1609

RESULT 9  
US-09-764-864-490  
Sequence 490, Application US/09764864  
Patent No. US20020132753A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PT223  
CURRENT APPLICATION NUMBER: US/09/764,864  
Prior application data removed - consult PALM or file wrapper  
CURRENT FILING DATE: 2001-01-17  
NUMBER OF SEQ ID NOS: 1792  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 490  
LENGTH: 3314  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (116)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (244)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (293)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (305)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (394)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (403)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (439)

OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (448)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (3305)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (3311)  
OTHER INFORMATION: n equals a,t,g, or c  
US-09-764-864-490

Query Match 54.6%; Score 22.4; DB 10; Length 3314;  
Best Local Similarity 76.5%; Pred. No. 13;  
Matches 26; Conservative 1; Mismatches 7; Indels 0; Gaps 0;  
Qy 3 AAAGCAGTGGAGGAGGACRACCCCTCAGGCGGCC 36  
Db 1888 AATGCCGAGAGGAGGAGAAACCTTCAGGCGGCC 1921

RESULT 10  
US-09-778-844-64  
Sequence 64, Application US/09778844  
Patent No. US20020150971A1  
GENERAL INFORMATION:  
APPLICANT: JOHANSEN, JEANETTE ELISABETH  
APPLICANT: SCHALLING, MARTIN  
TITLE OF INVENTION: NUCLEIC ACIDS AND POLYPEPTIDES FOR CONTROLLING FOOD  
TITLE OF INVENTION: INTAKE AND/OR BODY WEIGHT  
FILE REFERENCE: 030307/0195  
CURRENT APPLICATION NUMBER: US/09/778,844  
CURRENT FILING DATE: 2001-02-08  
NUMBER OF SEQ ID NOS: 206  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 64  
LENGTH: 1845  
TYPE: DNA  
ORGANISM: Unknown Organism  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Chp, EMBL No. US20020150971A1  
OTHER INFORMATION: q9z1y0  
US-09-778-844-64

Query Match 53.7%; Score 22; DB 10; Length 1845;  
Best Local Similarity 70.0%; Pred. No. 20;  
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;  
Qy 2 GAAAGCAGTGGAGGAGGACRACCCCTCAGGCGCGGAG 41  
Db 1504 GACAGCTGTGGAAGAGCGGACACCTGGCTGGCCCTCGAG 1543

RESULT 11  
US-10-020-141-11/C  
Sequence 11, Application US/10020141  
Publication No. US20030092013A1  
GENERAL INFORMATION:  
APPLICANT: McCarthy, Jeanette  
APPLICANT: Ableson, Allen  
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE  
FILE REFERENCE: MMI-002  
CURRENT APPLICATION NUMBER: US/10/020,141  
CURRENT FILING DATE: 2001-12-14  
PRIOR APPLICATION NUMBER: US 60/313,097  
PRIOR FILING DATE: 2001-08-16  
PRIOR APPLICATION NUMBER: US 60/327,485  
PRIOR FILING DATE: 2001-10-05  
NUMBER OF SEQ ID NOS: 21  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 11  
LENGTH: 185695  
TYPE: DNA

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; ORGANISM: Homo sapiens
US-10-020-141-11

Query Match      53.7%; Score 22; DB 9; Length 185695;
Best Local Similarity 78.1%; Pred. No. 13;
Matches 25; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACCCCTCAGGCA 32
Db 18748 AAAAGCAGTGGTGGAGGCCGCTTAAGGTA 18717

RESULT 12
US-10-017-721-1/c
; Sequence 1, Application US/10017721
; Publication No. US20030096248A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
; APPLICANT: Daley, George
; APPLICANT: Bolk, Stacey
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
; FILE REFERENCE: MMI-003
; CURRENT APPLICATION NUMBER: US/10/017,721
; CURRENT FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/317,033
; PRIOR FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: US 60/330,248
; PRIOR FILING DATE: 2001-10-17
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 185695
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-017-721-1

Query Match      53.7%; Score 22; DB 9; Length 185695;
Best Local Similarity 78.1%; Pred. No. 13;
Matches 25; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACCCCTCAGGCA 32
Db 18748 AAAAGCAGTGGTGGAGGCCGCTTAAGGTA 18717

RESULT 13
US-09-864-761-18173
; Sequence 18173, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Acomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anncmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 18173
; LENGTH: 195
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO 284718.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 7.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
; OTHER INFORMATION: NT HIT: AF240786.1, EVALUATE 1.00e-106
; OTHER INFORMATION: EST_HUMAN HIT: AI281103.1, EVALUATE 1.00e-106
; OTHER INFORMATION: SWISSPROT HIT: P30711, EVALUATE 5.00e-33
US-09-864-761-18173

Query Match      53.2%; Score 21.8; DB 10; Length 195;
Best Local Similarity 70.7%; Pred. No. 28;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACCCCTCAGGAGCCCGGGAG 41
Db 68 AGGCAGCAGTGGGGGAGGACCTCTTCCAGGAGGCCCATGAG 108

RESULT 14
US-09-864-761-19007/c
; Sequence 19007, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Acomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
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RESULT 15  
US-09-876-889-223  
; Sequence 223, Application US/09876889  
; Patent No. US20020076715A1  
; GENERAL INFORMATION:  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Lodes, Michael J. L.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: King, Gordon E.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN

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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 09:27:43 ; Search time 10.8828 Seconds  
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Title: US-09-942-310-2\_COPY\_860\_900  
Perfect score: 41  
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Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_NA:\*

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- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
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- 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40.6	99.0	1680	9	US-09-942-310-2
2	40.6	99.0	9432	9	US-09-942-310-1
3	40.6	99.0	9432	9	US-10-209-737-1
4	40.6	99.0	9432	9	US-10-209-737-2
5	24.6	60.0	157875	9	US-09-935-464-1
6	24.6	60.0	157875	9	US-10-125-835-1
7	22	53.7	1040	10	US-09-962-436-276
8	22	53.7	1078	9	US-10-114-893-25
9	22	53.7	7599	9	US-09-764-891-6850
10	21.8	53.2	485	10	US-09-864-761-2538
11	21.4	52.2	895	9	US-09-764-891-5489
12	21.4	52.2	74868	9	US-10-175-523-67
13	21.4	52.2	659158	9	US-09-771-208-20
14	21.4	52.2	659158	9	US-09-771-208-20
15	21.2	51.7	185348	9	US-10-175-523-62
16	21	51.2	339	10	US-09-867-701-8075
17	21	51.2	479	9	US-09-764-891-53
18	21	51.2	1540	10	US-09-393-634-8
19	21	51.2	3449	9	US-09-510-332-84

Sequence 1, Appl1  
Sequence 5, Appl1  
Sequence 1149, Ap  
Sequence 6, Appl1  
Sequence 8252, Ap  
Sequence 3691, Ap  
Sequence 2, Appl1  
Sequence 1, Appl1  
Sequence 3, Appl1  
Sequence 7320, Ap  
Sequence 52, Appl  
Sequence 234, App  
Sequence 222, App  
Sequence 3, Appl1  
Sequence 36, Appl  
Sequence 6, Appl1  
Sequence 85, Appl  
Sequence 154, App  
Sequence 30737, A  
Sequence 2820, Ap  
Sequence 7039, A  
Sequence 14184, A  
Sequence 531, App  
Sequence 6, Appl1  
Sequence 1546, Ap

20 51.2 5208 9 US-10-180-903-1  
21 20.8 10351 10 US-09-874-470-5  
22 20.6 303 9 US-10-040-739-1149  
c 23 20.6 3980 9 US-09-949-842-6  
24 20.6 20530 9 US-09-764-891-8252  
c 25 20.4 49.8 2331 10 US-09-764-877-3691  
26 20.4 49.8 10828 10 US-09-942-325A-2  
27 20.4 49.8 13329 10 US-09-942-325A-1  
28 20.4 49.8 111282 12 US-10-094-989-3  
29 20.2 49.3 513 10 US-09-864-761-7320  
30 20.2 49.3 1103 10 US-09-778-844-52  
c 31 20.2 49.3 7221 9 US-10-072-349-234  
32 20.2 49.3 26668 10 US-09-764-855-234  
c 33 20.2 49.3 119596 9 US-10-270-336-3  
34 20.2 49.3 122186 9 US-09-563-728A-36  
35 20.2 49.3 155074 9 US-10-026-188-6  
c 36 20.2 49.3 158405 9 US-10-175-523-86  
c 37 20.2 49.3 302250 10 US-09-962-832-154  
c 38 20.2 48.8 172 10 US-09-864-761-30737  
c 39 20.2 48.8 278 10 US-09-878-574-2820  
c 40 20.2 48.8 465 10 US-09-867-701-7039  
c 41 20.2 48.8 499 10 US-09-864-761-14184  
c 42 20.2 48.8 608 10 US-09-878-574-531  
c 43 20.2 48.8 1195 9 US-10-102-806-6  
c 44 20.2 48.8 6322 10 US-09-917-800A-1546  
c 45 20.2 48.8 6322 10 US-09-917-800A-1546

## ALIGNMENTS

RESULT 1  
US-09-942-310-2  
; Sequence 2, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olafsson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms  
; FILE REFERENCE: GG119.1US  
; CURRENT APPLICATION NUMBER: US/09/942,310  
; CURRENT FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: GB 0021286.0  
; PRIOR FILING DATE: 2000-08-30  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; TYPE: DNA  
; ORGANISM: homo sapiens  
US-09-942-310-2

Query Match 99.0%; Score 40.6; DB 9; Length 1680;  
Best Local Similarity 100.0%; Pred. No. 1.4e-07;  
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTGTGAGAGAGATGTGTGTCYCTAAGTGTGAGTGTGAGTCT 41  
|||||  
Db 860 GTGTGAGAGAGATGTGTGTCYCTAAGTGTGAGTGTGAGTCT 900

RESULT 2  
US-09-942-310-1  
; Sequence 1, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olafsson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

FILE REFERENCE: GG119.1US  
CURRENT APPLICATION NUMBER: US/09/942,310  
CURRENT FILING DATE: 2001-08-29  
PRIOR APPLICATION NUMBER: GB 0021286.0  
PRIOR FILING DATE: 2000-08-30  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 9432  
TYPE: DNA  
ORGANISM: homo sapiens  
US-09-942-310-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;  
Best Local Similarity 97.6%; Pred. No. 2e-07;  
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41  
|||||  
DB 860 GTGTGAGAGAGAAATGTGTCCTTAAGTGTCAAGTGTGAGTCT 900

## RESULT 3

US-10-209-737-1  
Sequence 1, Application US/10209737  
Publication No. US20030083485A1  
GENERAL INFORMATION:  
APPLICANT: Pfizer Inc.  
APPLICANT: Milos, Patrice M.  
APPLICANT: Webb, Suzin M.  
TITLE OF INVENTION: NO. US20030083485A1e1 Variants Of The Human CYP2D6 Gene  
FILE REFERENCE: PC11033AGPR  
CURRENT APPLICATION NUMBER: US/10/209,737  
CURRENT FILING DATE: 2002-07-31  
PRIOR APPLICATION NUMBER: US 60/309,111  
PRIOR FILING DATE: 2001-07-31  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 9432  
TYPE: DNA  
ORGANISM: HOMO SAPIENS  
US-10-209-737-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;  
Best Local Similarity 97.6%; Pred. No. 2e-07;  
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41  
|||||  
DB 860 GTGTGAGAGAGAAATGTGTCCTTAAGTGTCAAGTGTGAGTCT 900

## RESULT 4

US-10-209-737-2  
Sequence 2, Application US/10209737  
Publication No. US20030083485A1  
GENERAL INFORMATION:  
APPLICANT: Pfizer Inc.  
APPLICANT: Milos, Patrice M.  
APPLICANT: Webb, Suzin M.  
TITLE OF INVENTION: NO. US20030083485A1e1 Variants Of The Human CYP2D6 Gene  
FILE REFERENCE: PC11033AGPR  
CURRENT APPLICATION NUMBER: US/10/209,737  
CURRENT FILING DATE: 2002-07-31  
PRIOR APPLICATION NUMBER: US 60/309,111  
PRIOR FILING DATE: 2001-07-31  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 9433  
TYPE: DNA  
ORGANISM: HOMO SAPIENS

## US-10-209-737-2

Query Match 99.0%; Score 40.6; DB 9; Length 9433;  
Best Local Similarity 97.6%; Pred. No. 2e-07;  
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41  
|||||  
DB 860 GTGTGAGAGAGAAATGTGTCCTTAAGTGTCAAGTGTGAGTCT 900

## RESULT 5

US-09-935-464-1/c  
Sequence 1, Application US/09935464  
Publication No. US20030027153A1  
GENERAL INFORMATION:  
APPLICANT: Meyer, Joanne  
APPLICANT: Barrington-Martin, Rory  
APPLICANT: Parker, Alexander  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING NEUROPSYCH  
TITLE OF INVENTION: DISORDERS SUCH AS SCHIZOPHRENIA  
FILE REFERENCE: 3322/1H702 US1  
CURRENT APPLICATION NUMBER: US/09/935,464  
CURRENT FILING DATE: 2001-08-23  
PRIOR APPLICATION NUMBER: US 09/757,300  
PRIOR FILING DATE: 2001-01-09  
NUMBER OF SEQ ID NOS: 90  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 1  
LENGTH: 157875  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-935-464-1

Query Match 60.0%; Score 24.6; DB 9; Length 157875;  
Best Local Similarity 73.2%; Pred. No. 1.9;  
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41  
|||||  
DB 63825 GTGTGAGAGAGAAATGTGTCCTCTGTGTATGTGTGAGTCT 63785

## RESULT 6

US-10-125-835-1/c  
Sequence 1, Application US/10125835  
Publication No. US20030092019A1  
GENERAL INFORMATION:  
APPLICANT: Meyer, Joanne  
APPLICANT: Barrington-Martin, Rory  
APPLICANT: Parker, Alexander  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING  
TITLE OF INVENTION: NEUROPSYCHIATRIC  
FILE REFERENCE: 3322/0H702 US0  
CURRENT APPLICATION NUMBER: US/10/125,835  
CURRENT FILING DATE: 2002-04-19  
PRIOR APPLICATION NUMBER: US/09/757,300  
PRIOR FILING DATE: 2001-01-09  
NUMBER OF SEQ ID NOS: 50  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 1  
LENGTH: 157875  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-125-835-1

Query Match 60.0%; Score 24.6; DB 9; Length 157875;  
Best Local Similarity 73.2%; Pred. No. 1.9;  
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41  
|||||

Db 63825 GTGTGAGTGTGATTATGCTCTCTGTGTGTATGTGTGAGTCT 63785

## RESULT 7

US-09-962-436-276/c  
; Sequence 276, Application US/09962436  
; Patent No. US20020081301A1  
; GENERAL INFORMATION:  
; APPLICANT: Soppet, Daniel  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
; FILE REFERENCE: Sets  
; CURRENT APPLICATION NUMBER: US/09/962,436  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,082  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/234,924  
; PRIOR FILING DATE: 2000-09-25  
; NUMBER OF SEQ ID NOS: 568  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 276  
; LENGTH: 1040  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-962-436-276

Query Match 53.7%; Score 22; DB 10; Length 1040;

Best Local Similarity 70.0%; Pred. No. 8.9;  
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 2 TGTGAGAGAGAATGTGTGCYCTAAGTGTCTAGTGTGTGAGTCT 41

Db 306 TTTGAGAGAGAGTGTGGCCCTAAACACAGTGGGAGACT 267

## RESULT 8

US-10-114-893-25/c  
; Sequence 25, Application US/10114893  
; Publication No. US20020193567A1  
; GENERAL INFORMATION:  
; APPLICANT: Jacobs, Kenneth  
; APPLICANT: McCoy, John M.  
; APPLICANT: LaVallie, Edward R.  
; APPLICANT: Collins-Racie, Lisa A.  
; APPLICANT: Evans, Cheryl  
; APPLICANT: Merberg, David  
; APPLICANT: Treacy, Maurice  
; APPLICANT: Bowman, Michael R.  
; APPLICANT: Spaulding, Vikki  
; APPLICANT: Carlin-Duckett, McKeeough  
; APPLICANT: Kelleher, Kerry S.  
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  
; FILE REFERENCE: GI 6000-10A  
; CURRENT APPLICATION NUMBER: US/10/114,893  
; CURRENT FILING DATE: 2002-04-02  
; EARLIER APPLICATION NUMBER: 09/413,232  
; PRIOR FILING DATE: 1999-10-06  
; NUMBER OF SEQ ID NOS: 321  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 25  
; LENGTH: 1078  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-114-893-25

Query Match 53.7%; Score 22; DB 9; Length 1078;

Best Local Similarity 70.0%; Pred. No. 8.9;  
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 2 TGTGAGAGAGAATGTGTGCYCTAAGTGTCTAGTGTGTGAGTCT 41

Db 321 TTTGAGAGAGAGTGTGGCCCTAAACACAGTGGGAGACT 282

## RESULT 9

US-09-764-891-6850/c  
; Sequence 6850, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6850  
; LENGTH: 7599  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (7589)  
; OTHER INFORMATION: n equals a,t,g, or c  
; NAME/KEY: SITE  
; LOCATION: (7599)  
; OTHER INFORMATION: n equals a,t,g, or c  
US-09-764-891-6850

Query Match 53.7%; Score 22; DB 9; Length 7599;

Best Local Similarity 70.0%; Pred. No. 13;  
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 2 TGTGAGAGAGAATGTGTGCYCTAAGTGTCTAGTGTGTGAGTCT 41

Db 1931 TGAAGAGAGAGAATGTGGCTCTCATTTCTTTTCTAGTCT 1892

## RESULT 10

US-09-864-761-2538/c  
; Sequence 2538, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Shazron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO  
; FILE REFERENCE: Acomica-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30

RESULT 12  
US-10-175-523-67/c



Search completed: June 14, 2003, 13:09:10  
Job time : 16.8829 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 09:27:43 ; Search time 10.8828 Seconds  
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5455.418 Million cell updates/sec

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Perfect score: 41  
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Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40.6	99.0	1680	9	US-09-942-310-2
2	40.6	99.0	9432	9	US-09-942-310-1
3	40.6	99.0	9432	9	US-10-209-737-1
4	40.6	99.0	9433	9	US-10-209-737-2
5	24.2	59.0	85548	9	US-10-175-523-75
6	23.6	57.6	2299	9	US-09-822-846-431
7	23	56.1	500	10	US-09-917-800A-26
8	22	53.7	356	9	US-10-079-623-7
9	22	53.7	5629	9	US-10-092-154-1162
10	22	53.7	5629	10	US-09-764-847-1162
11	22	53.7	6265	9	US-10-092-154-1161
12	22	53.7	6265	10	US-09-764-847-1161
13	22	53.7	203654	10	US-09-820-905-3
14	21.8	53.2	5591	9	US-10-091-483-309
15	21.8	53.2	5591	10	US-09-764-846-309
16	21.6	52.7	539	10	US-09-864-761-12977
17	21.6	52.7	769	9	US-10-198-846-10835
18	21.6	52.7	13606	9	US-10-239-676-166
19	21.6	52.7	32221	9	US-09-764-872-663

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20 21.6 52.7 116592 10 US-09-818-512-3
c 21 21.6 52.7 157875 9 US-09-935-464-1
c 22 21.6 52.7 157875 9 US-10-125-835-1
c 23 21.4 52.2 484 10 US-09-864-761-1146
c 24 21.4 52.2 803 9 US-09-910-009A-134
c 25 21.4 52.2 8894 9 US-10-092-154-1606
c 26 21.4 52.2 8894 10 US-09-764-847-1606
c 27 21.4 52.2 22118 9 US-09-799-462A-16
c 28 21.4 52.2 22118 9 US-10-125-767-16
c 29 21.4 52.2 22118 9 US-09-815-981-5
c 30 21.4 52.2 22118 9 US-09-836-911A-16
c 31 21.4 52.2 22118 9 US-09-815-979-5
c 32 21.4 52.2 22118 9 US-10-151-081-16
c 33 21.4 52.2 22118 9 US-10-287-313-16
c 34 21.4 52.2 659158 9 US-09-771-208-20
c 35 21.2 51.7 73308 10 US-09-954-456-2276
c 36 21.2 51.7 225883 9 US-10-175-523-57
c 37 21.2 51.2 243 10 US-09-880-107-3478
c 38 21.2 51.2 328 9 US-09-835-976B-58
c 39 21.2 51.2 361 9 US-09-796-692-3950
c 40 21.2 51.2 361 9 US-10-040-862-3950
c 41 21.2 51.2 398 10 US-09-867-701-7571
c 42 21.2 51.2 463 9 US-09-918-995-12098
c 43 21.2 51.2 465 9 US-10-198-846-12111
c 44 21.2 51.2 476 9 US-09-918-995-32811
c 45 21.2 51.2 528 9 US-09-796-692-3999

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## ALIGNMENTS

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RESULT 1
US-09-942-310-2
; Sequence 2, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaiasson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms
; FILE REFERENCE: GG119.1US
; CURRENT APPLICATION NUMBER: US/09/942,310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; TYPE: DNA
; ORGANISM: homo sapiens
; US-09-942-310-2

Query Match 99.08; Score 40.6; DB 9; Length 1680;
Best Local Similarity 100.0%; Pred. No. 1.7e-06;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTTGTGGTGGTATTTCTGCRGTGTAATCGTGTCCTCG 41
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Db 920 CTTTGTGGTGGTATTTCTGCRGTGTAATCGTGTCCTCG 960

RESULT 2
US-09-942-310-1
; Sequence 1, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaiasson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

```

```

; FILE REFERENCE: GG119.1US
; CURRENT APPLICATION NUMBER: US/09/942,310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-942,310-1

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Query Match 99.0%; Score 40.6; DB 9; Length 9432;  
Best Local Similarity 97.6%;  
Matches 40; Conservative 1; Mismatches 0; Indels 0;  
Pred. No. 2.4e-06;

Qy 1 CTTTGTGGGGTGAATTTCTGCRGTGTGAATCGTGCCCTG 41  
 |||||  
 Db 920 CTTTGTGGGGTGAATTTCTGCGGTGTGAATCGTGCCCTG 960

## RESULT 3

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US-10-209-737-1
; Sequence 1, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: NO. US20030083485A1e1 Variants Of The Human Cyp2D6 Gene
; FILE REFERENCE: PC11033A6PR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
US-10-209-737-1

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Query Match 99.0%; Score 40.6; DB 9; Length 9432;  
Best Local Similarity 97.6%; Pred. No. 2.4e-06;  
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTTTGTGGGTGATTTCTGCTGTGTAATCGTGCCCTG 41  
|||||  
920 CTTTGTGGGTGATTTCTGCTGTGTAATCGTGCCCTG 960  
Db

## RESULT 4

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US-011-209-737-2
; Sequence 2, Application US/10209737
; Publication NO. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzan M.
; TITLE OF INVENTION: NO. US20030083485A1e1 Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AqPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 9433
; TYPE: DNA
; ORGANISM: HOMO SAPIENS

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US-10-209-737-2

Query Match 99.0%; Score 40.6; DB 9; Length 9433;  
Best Local Similarity 97.6%; Pred. No. 2.4e-06;  
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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 Db 920 CTTTGTGGGTGATTTCTGCGGTGTAATCGTGTCCTG 960

## RESULT 5

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US-10-175-523--75
; Sequence 75, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi

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```

, TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
,
, FILE REFERENCE: 3235/1J795-US3
, CURRENT APPLICATION NUMBER: US/10/175,523
, CURRENT FILING DATE: 2002-06-18
, PRIOR APPLICATION NUMBER: US 60/299,151
, PRIOR FILING DATE: 2001-06-18
, PRIOR APPLICATION NUMBER: US 60/317,828
, PRIOR FILING DATE: 2001-09-07
, PRIOR APPLICATION NUMBER: US 60/325,150
, PRIOR FILING DATE: 2001-09-25
, PRIOR APPLICATION NUMBER: US 60/333,047
, PRIOR FILING DATE: 2001-11-14
, PRIOR APPLICATION NUMBER: US 60/349,936
, PRIOR FILING DATE: 2002-01-18
, PRIOR APPLICATION NUMBER: US 60/361,834
, PRIOR FILING DATE: 2002-03-04
, NUMBER OF SEQ ID NOS: 197
, SOFTWARE: patentin version 3.1
, SEQ ID NO 75
, LENGTH: 85548
, TYPE: DNA
, ORGANISM: Mus musculus
US-10-175-523-75

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Query Match          59.0%; Score 24.2; DB 9; Length 85548;
Best Local Similarity 74.4%; Pred. No. 11;
Matches 29; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

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QY 2 TTTGTGGGGTATTTTCTGCGTGTGTAATCGTGCCCT 40  
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Db 58751 TGTGTGTGTGTATGTGTGTGTGTGTAATGTTGCCCT 58789

## RESULT 6

US-98-822-846-431  
 / Sequence 431, Application US/09822846  
 / Publication No. US20030027139A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Jacobs, Kenneth  
 / APPLICANT: McCoy, John M.  
 / APPLICANT: Lavallie, Edward R.  
 / APPLICANT: Collins-Racie, Lisa A.  
 / APPLICANT: Evans, Cheryl  
 / APPLICANT: Merberg, David  
 / APPLICANT: Treacy, Maurice  
 / APPLICANT: Agostino, Michael J.  
 / APPLICANT: Steininger II, Robert J.  
 / APPLICANT: Bowman, Michael R.  
 / APPLICANT: Spaulding, Vikki  
 / APPLICANT: Wong, Gordon G.

```

Query Match      56.1%; Score 23; DB 10; Length 500;
Best Local Similarity 70.7%; Pred. NO. 11;
Matches 29; Conservative 1; Mismatches 11; Indels

Qy      1 CTTTGTGGTGATTTTCCTGRTGTGTAAATCGTGTCCCTG 41
        ||||| | | | | | | | | | | | | | | | |
Db      324 CTCGTGTGTGTCTGCTGTGTGTCTTTGTATGCCTG 284

RESULT 8
US-10-079-623-7
; Sequence 7, Application US/10079623
; Patent No. US20020169302A1
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT: Glenn, Matthew R.
; APPLICANT: Grigor, Murray R.
; APPLICANT: Molenaar, Adrian J.
; TITLE OF INVENTION: Compositions isolated from bovine
; TITLE OF INVENTION: mammary gland and methods for their use.
; FILE REFERENCE: 11000.1044c3
; CURRENT APPLICATION NUMBER: US/10/079,623
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 366
; TYPE: DNA
; ORGANISM: Bovine
US-10-079-623-7
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, FILE REFERENCE: 11000-1044C3
, CURRENT APPLICATION NUMBER: US/10/079,623
, CURRENT FILING DATE: 2002-02-19
, NUMBER OF SEQ ID NOS: 370
, SOFTWARE: FastSEQ for Windows Version 4.0
, SEQ ID NO 7
, LENGTH: 366
, TYPE: DNA
, ORGANISM: Bovine
, US-10-079-623-7

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US-10-079-623-7
Query Match          53.7%;   Score 22;   DB 9;   Length 366;
Best Local Similarity 70.0%;   Pred. No. 25;
Matches 28;   Conservative 1;   Mismatches 11;   Indels

QY      2   TTTGTGCGGGTGATTTTCTGCGTGTGTAATCGTGCCCTG 41
          ||||| |||| | |||:||||| || | ||
Db      99   TTTGTGTGTGACTGTGTGCGGTGTATAGATGCGCTGTG 138

RESULT 9
US-10-092-154-1162
; Sequence 1162, Application US/10092154
; Publication No. US20030054375A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009C1
; CURRENT APPLICATION NUMBER: US/10/092,154
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2003
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1162
; LENGTH: 5629
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-092-154-1162

Query Match          53.7%;   Score 22;   DB 9;   Length 5629;
Best Local Similarity 70.0%;   Pred. No. 44;
Matches 28;   Conservative 1;   Mismatches 11;   Indels

QY      2   TTTGTGCGGGTGATTTTCTGCGTGTGTAATCGTGCCCTG 41
          ||||| |||| | |||:||||| || | ||
Db      3904   TGTGTAGGCTGTCATGTCGCTGTGTTTGTGTGTCCTG 3943

RESULT 10
US-09-764-847-1162
; Sequence 1162, Application US/09764847
; Patent No. US202013267A1
; GENERAL INFORMATION:

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Query Match 53.7%; Score 22; DB 10; Length 6265;  
Best Local Similarity 70.0%; Pred. No. 45;  
Matches 28; Conservative 1; Mismatches 11; Indels

RESULT 15  
US-09-764-846-309  
; Sequence 309, Application US/09764846  
; Patent No. US20020102638A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT212  
; CURRENT APPLICATION NUMBER: US/09/764,846  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 348  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 309  
; LENGTH: 5591  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-846-309

Query Match 53.2%; Score 21.8; DB 10; Length 5591;  
Best Local Similarity 74.3%; Pred. No. 53;  
Matches 26; Conservative 1; Mismatches 8; Indels 0; Gaps 0;  
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Db 996 TTTGTGTGTGTGTTTGTGTGTGTGTGTGTGTGT 1030

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Job time : 13.8828 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 09:27:43 ; Search time 10.8828 Seconds  
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5455.418 Million cell updates/sec

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Perfect score: 41  
Sequence: 1 cctatctctactgaaatay.....aaaagctagcgtggtggca 41

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	40.6	99.0	1680	9	US-09-942-310-2
2	40.6	99.0	9432	9	US-09-942-310-1
3	40.6	99.0	9432	9	US-10-209-737-1
4	40.6	99.0	9433	9	US-10-209-737-2
5	31.6	77.1	9704	12	US-10-109-860-3
6	31	75.6	2295	9	US-09-764-891-7825
7	31	75.6	31730	10	US-09-764-877-3810
8	31	75.6	167343	10	US-09-962-436-281
9	31	75.6	167343	10	US-09-964-824A-273
10	30.6	74.6	264	9	US-09-764-891-8680
11	30	73.2	19315	9	US-10-091-438-245
12	29.4	71.7	7032	9	US-09-974-298-124
13	29.4	71.7	10514	10	US-09-764-877-3470
14	29.4	71.7	88191	10	US-09-799-799-3
15	27.8	67.8	348	9	US-09-764-872-830
16	27.8	67.8	919	9	US-10-198-846-1649
17	27.8	67.8	2005	9	US-10-198-846-10956
18	27.8	67.8	3941	9	US-10-091-504-2372
19	27.8	67.8	3941	10	US-09-764-869-2372

Sequence 1579, Ap  
Sequence 1579, Ap  
Sequence 2, Appl1  
Sequence 3, Appl1  
Sequence 3949, Ap  
Sequence 1, Appl1  
Sequence 7668, Ap  
Sequence 2317, Ap  
Sequence 3, Appl1  
Sequence 36, Appl1  
Sequence 1717, Ap  
Sequence 623, App  
Sequence 4, Appl1  
Sequence 8502, Ap  
Sequence 2503, Ap  
Sequence 35196, A  
Sequence 14751, A  
Sequence 2730, Ap  
Sequence 1930, Ap  
Sequence 862, App  
Sequence 8382, Ap  
Sequence 2292, Ap  
Sequence 415, App  
Sequence 456, App  
Sequence 415, App

20 27.8 67.8 12822 9 US-10-092-154-1579  
21 27.8 67.8 12822 10 US-09-764-847-1579  
22 27.8 67.8 48763 9 US-10-282-048-3  
23 27.8 67.8 51719 10 US-09-918-686-2  
24 27.8 67.8 76798 10 US-09-880-107-3949  
25 27.8 67.8 92139 10 US-09-918-686-1  
26 27.4 66.8 12436 9 US-09-764-891-7668  
27 27.4 66.8 18860 10 US-09-764-877-2317  
28 27.4 66.8 45839 12 US-10-025-187-3  
29 27.4 66.8 84539 10 US-09-962-436-36  
30 26.8 65.4 4359 10 US-09-764-864-1717  
31 26.8 65.4 5310 9 US-10-037-270-623  
32 26.6 64.9 344 9 US-09-803-719-4  
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34 26.6 64.9 471 9 US-09-918-995-2503  
35 26.6 64.9 483 9 US-09-918-995-35196  
36 26.6 64.9 541 9 US-09-918-995-14751  
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38 26.6 64.9 2092 9 US-10-091-504-1930  
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41 26.6 64.9 4319 9 US-09-764-891-8382  
42 26.6 64.9 5375 10 US-09-880-107-2292  
43 26.6 64.9 7703 9 US-10-073-961-415  
44 26.6 64.9 7703 9 US-10-073-961-456  
45 26.6 64.9 7703 10 US-09-764-887-415

## ALIGNMENTS

RESULT 1  
US-09-942-310-2  
; Sequence 2, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olaiasson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms  
; FILE REFERENCE: GG119.1US  
; CURRENT APPLICATION NUMBER: US/09/942,310  
; CURRENT FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: GB 0021286.0  
; PRIOR FILING DATE: 2000-08-30  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 1680  
; TYPE: DNA  
; ORGANISM: homo sapiens  
US-09-942-310-2

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Db 175 CCTATCTCTACTGAAATATAYAAAAAGCTAGACGTGGTGCCA 215

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; Sequence 1, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olaiasson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

; FILE REFERENCE: GGI19.1US  
; CURRENT APPLICATION NUMBER: US/09/942.310  
; CURRENT FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: GB 0021286.0  
; PRIOR FILING DATE: 2000-08-30  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 9432  
; TYPE: DNA  
; ORGANISM: homo sapiens  
US-09-942-310-1

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Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
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US-10-209-737-1  
; Sequence 1, Application US/10209737  
; Publication No. US20030083485A1  
; GENERAL INFORMATION:  
; APPLICANT: Pfizer Inc.  
; APPLICANT: Milos, Patrice M.  
; APPLICANT: Webb, Suzin M.  
; TITLE OF INVENTION: No. US20030083485A1e1 Variants Of The Human CYP2D6 Gene  
; FILE REFERENCE: PC11033AGPR  
; CURRENT APPLICATION NUMBER: US/10/209,737  
; CURRENT FILING DATE: 2002-07-31  
; PRIOR APPLICATION NUMBER: US 60/309,111  
; PRIOR FILING DATE: 2001-07-31  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn version 3.1  
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; TYPE: DNA  
; ORGANISM: HOMO SAPIENS  
US-10-209-737-1

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Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
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; Sequence 2, Application US/10209737  
; Publication No. US20030083485A1  
; GENERAL INFORMATION:  
; APPLICANT: Pfizer Inc.  
; APPLICANT: Milos, Patrice M.  
; APPLICANT: Webb, Suzin M.  
; TITLE OF INVENTION: No. US20030083485A1e1 Variants Of The Human CYP2D6 Gene  
; FILE REFERENCE: PC11033AGPR  
; CURRENT APPLICATION NUMBER: US/10/209,737  
; CURRENT FILING DATE: 2002-07-31  
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; PRIOR FILING DATE: 2001-07-31  
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US-10-209-737-2

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RESULT 5  
US-10-109-860-3/c  
; Sequence 3, Application US/10109860  
; Patent No. US20020142421A1  
; GENERAL INFORMATION:  
; APPLICANT: SHAO, Wei et al.  
; TITLE OF INVENTION: ISOLATED HUMAN AMINOACYLASE, NUCLEIC  
; FILE REFERENCE: CL001179DIV  
; CURRENT APPLICATION NUMBER: US/10/109,860  
; CURRENT FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 09/814,951  
; PRIOR FILING DATE: 2001-03-23  
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; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 9704  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-109-860-3

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RESULT 6  
US-09-764-891-7825/c  
; Sequence 7825, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
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; ORGANISM: Homo sapiens  
US-09-764-891-7825

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Best Local Similarity 82.9%; Pred. No. 0.034;  
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RESULT 7  
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; Sequence 3810, Application US/09764877  
; Patent No. US20020147140A1

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; NUMBER OF SEQ ID NOS: 583
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; SEQ ID NO 273
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-964-824A-273

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RESULT 10
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; Sequence 8680, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8680
; LENGTH: 264
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-8680

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RESULT 11
US-10-091-438-245/c
; Sequence 245, Application US/10091438
; Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ17C1
; CURRENT APPLICATION NUMBER: US/10/091,438
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
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; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
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; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14

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; PRIOR APPLICATION NUMBER: 60/218,290  
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; PRIOR APPLICATION NUMBER: 60/225,757  
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; PRIOR APPLICATION NUMBER: 60/226,868  
; PRIOR FILING DATE: 2000-08-22  
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; PRIOR FILING DATE: 2000-09-29  
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; PRIOR FILING DATE: 2000-10-02  
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; PRIOR FILING DATE: 2000-10-02  
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; PRIOR APPLICATION NUMBER: 60/240,960  
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; NUMBER OF SEQ ID NOS: 957

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; SEQ ID NO 830
; LENGTH: 348
; TYPE: DNA
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US-09-764-872-830
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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

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(without alignments)  
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- 13: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	50.6	99.2	1680	9	US-09-942-310-2
2	50.6	99.2	9432	9	US-09-942-310-1
3	50.6	99.2	9432	9	US-10-209-737-1
4	50.6	99.2	9433	9	US-10-209-737-2
C 5	42.6	83.5	401	9	US-09-946-807-952
C 6	42.6	83.5	401	10	US-09-795-668-952
C 7	42.6	83.5	401	10	US-09-795-686-952
C 8	42.6	83.5	4962	9	US-10-091-504-1902
9	42.6	83.5	4962	9	US-10-091-504-1903
10	42.6	83.5	4962	10	US-09-764-869-1902
11	42.6	83.5	4962	10	US-09-764-869-1903
C 12	42.6	83.5	12047	9	US-09-151-376-3
C 13	42.6	83.5	12047	10	US-09-814-357-11
C 14	42.6	83.5	12047	10	US-09-392-822-5
C 15	42.6	83.5	12047	10	US-09-875-228-1
C 16	42.6	83.5	56737	10	US-09-782-378A-17
17	42.6	83.5	116592	10	US-09-818-512-3
C 18	42.6	83.5	123526	9	US-09-910-185-11
C 19	42.6	83.5	174493	9	US-10-238-709-3

C 20	42.6	83.5	174493	10	US-09-804-471A-3	Sequence 3, Appli
C 21	42.6	83.5	1503841	9	US-09-946-807-1	Sequence 1, Appli
C 22	42.6	83.5	1503841	10	US-09-795-668-1	Sequence 1, Appli
C 23	42.6	83.5	1503841	10	US-09-795-668-1	Sequence 1, Appli
C 24	41.4	81.2	1717	9	US-10-091-504-1636	Sequence 1636, Ap
C 25	41.4	81.2	1717	10	US-09-764-869-1636	Sequence 8259, Ap
C 26	41	80.4	242	10	US-09-867-701-8259	Sequence 335, App
C 27	41	80.4	317	9	US-09-764-891-355	Sequence 22, Appl
C 28	41	80.4	317	10	US-09-908-711-22	Sequence 8232, Ap
C 29	41	80.4	419	10	US-09-867-701-8232	Sequence 10859, A
C 30	41	80.4	456	9	US-09-918-995-10859	Sequence 10666, A
C 31	41	80.4	464	10	US-09-867-701-10666	Sequence 6866, Ap
C 32	41	80.4	475	10	US-09-867-701-6866	Sequence 10182, A
C 33	41	80.4	475	10	US-09-867-701-10182	Sequence 2477, Ap
C 34	41	80.4	497	10	US-09-867-701-2477	Sequence 28996, A
C 35	41	80.4	542	9	US-09-918-995-28996	Sequence 162, App
C 36	41	80.4	552	10	US-09-867-701-2467	Sequence 2467, Ap
C 37	41	80.4	562	9	US-09-986-480-162	Sequence 59, Appl
C 38	41	80.4	982	9	US-10-144-929-59	Sequence 4, Appli
C 39	41	80.4	1762	10	US-09-893-348-4	Sequence 418, App
C 40	41	80.4	2446	10	US-09-822-849A-418	Sequence 9837, Ap
C 41	41	80.4	2539	9	US-09-764-891-9837	Sequence 355, App
C 42	41	80.4	4978	9	US-10-073-961-355	Sequence 345, App
C 43	41	80.4	4978	10	US-09-764-887-355	Sequence 1077, Ap
C 44	41	80.4	6371	10	US-09-876-889-345	
C 45	41	80.4	6640	9	US-10-092-154-1077	

ALIGNMENTS

RESULT 1  
US-09-942-310-2  
; Sequence 2, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olaisson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms  
; FILE REFERENCE: GGL19.1US  
; CURRENT APPLICATION NUMBER: US/09/942.310  
; CURRENT FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: GB 0021286.0  
; PRIOR FILING DATE: 2000-08-30  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 1680  
; TYPE: DNA  
; ORGANISM: homo sapiens  
US-09-942-310-2

Query Match 99.2%; Score 50.6; DB 9; Length 1680;  
Best Local Similarity 100.0%; Pred. No. 3.2e-10;  
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 TCAAGACGAGCTGGACAACTTGGAGAACCGGCTCTCTACAAAAATACA 51  
Db 5 TCAAGACGAGCTGGACAACTTGGAGAACCGGCTCTCTACAAAAATACA 55

RESULT 2  
US-09-942-310-1  
; Sequence 1, Application US/09942310  
; Publication No. US20030044797A1  
; GENERAL INFORMATION:  
; APPLICANT: Risinger, Carl  
; APPLICANT: Andersson, Maria K.  
; APPLICANT: Lewander, Tommy  
; APPLICANT: Olaisson, Erik  
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

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; FILE REFERENCE: GGI19.10S
; CURRENT APPLICATION NUMBER: US/09/942,310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-942-310-1

Query Match      99.2%; Score 50.6; DB 9; Length 9432;
Best Local Similarity 98.0%; Pred. No. 4.6e-10;
Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 5 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 55

RESULT 3
US-10-209-737-1
; Sequence 1, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: No. US20030083485A1 Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AGPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
US-10-209-737-1

Query Match      99.2%; Score 50.6; DB 9; Length 9432;
Best Local Similarity 98.0%; Pred. No. 4.6e-10;
Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 5 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 55

RESULT 4
US-10-209-737-2
; Sequence 2, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: No. US20030083485A1 Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AGPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 9433
; TYPE: DNA
; ORGANISM: HOMO SAPIENS

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## US-10-209-737-2

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Query Match      99.2%; Score 50.6; DB 9; Length 9433;
Best Local Similarity 98.0%; Pred. No. 4.6e-10;
Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 5 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 55

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## RESULT 5

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US-09-946-807-952/c
; Sequence 952, Application US/09946807
; Patent No. US20020165144A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/946,807
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US/09/795,668
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 952
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-946-807-952

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Query Match      83.5%; Score 42.6; DB 9; Length 401;
Best Local Similarity 88.2%; Pred. No. 3.1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

```

```

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 84 TCAAGACCAGCCTGGACAACATGGAAAAACCCCTGTCTCTACAAAAAATACA 34

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## RESULT 6

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US-09-795-668-952/c
; Sequence 952, Application US/09795668
; Patent No. US20020045577A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/795,668
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 952
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-795-668-952

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```

Query Match      83.5%; Score 42.6; DB 10; Length 401;
Best Local Similarity 88.2%; Pred. No. 3.1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

```

```

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 84 TCAAGACCAGCCTGGCAACATGGAAAAACCCCTGTCTCTACAAAAAATACA 34

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RESULT 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1903
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-1903

Query Match      83.5%; Score 42.6; DB 9; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

; APPLICANT: Stefanansson, Hreinn
; APPLICANT: Steinhorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2005-001
; CURRENT APPLICATION NUMBER: US/09/795,686
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,715
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 952
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-795-686-952

Query Match      83.5%; Score 42.6; DB 10; Length 401;
Best Local Similarity 88.2%; Pred. No. 3.1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACTTGGGAAGAACCGSGGTCTCTACAAAAAATACA 51
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DB 84 TCAAGACGAGCTGGGAACATGTGAAAAACCCCTGTCTCTACAAAAAATACA 34
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RESULT 8
US-10-091-504-1902
; Sequence 1902, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1902
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-1902

Query Match      83.5%; Score 42.6; DB 9; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACTTGGGAAGAACCGSGGTCTCTACAAAAAATACA 51
|||||
DB 2690 TCAAGACGAGCTGGGAACATGTGTGAAACCCCTGTCTCTACAAAAAATACA 2740
|||||

RESULT 9
US-10-091-504-1903
; Sequence 1903, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1903
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-1903

Query Match      83.5%; Score 42.6; DB 9; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACTTGGGAAGAACCGSGGTCTCTACAAAAAATACA 51
|||||
DB 2690 TCAAGACGAGCTGGGAACATGTGTGAAACCCCTGTCTCTACAAAAAATACA 2740
|||||

RESULT 10
US-09-764-869-1902
; Sequence 1902, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1902
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1902

Query Match      83.5%; Score 42.6; DB 10; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACTTGGGAAGAACCGSGGTCTCTACAAAAAATACA 51
|||||
DB 2690 TCAAGACGAGCTGGGAACATGTGTGAAACCCCTGTCTCTACAAAAAATACA 2740
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RESULT 11
US-09-764-869-1903
; Sequence 1903, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1903
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1903

Query Match      83.5%; Score 42.6; DB 10; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACTTGGGAAGAACCGSGGTCTCTACAAAAAATACA 51
|||||
DB 2690 TCAAGACGAGCTGGGAACATGTGTGAAACCCCTGTCTCTACAAAAAATACA 2740
|||||

RESULT 12
US-10-091-504-1903
; Sequence 1903, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
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US-09-151-376-3/c
; Sequence 3, Application US/09151376
; Publication No. US2003004383A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, D.R.
; APPLICANT: Schuur, E.R.
; TITLE OF INVENTION: TISSUE SPECIFIC VIRAL VECTORS
; FILE REFERENCE: 34802200221
; CURRENT APPLICATION NUMBER: US/09/151,376
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: 08/669,753
; EARLIER FILING DATE: 1996-06-26
; EARLIER APPLICATION NUMBER: 08/495,034
; EARLIER FILING DATE: 1995-06-27
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 12047
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-151-376-3

Query Match      83.5%; Score 42.6; DB 9; Length 12047;
Best Local Similarity 88.2%; Pred. No. 6.5e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACCTTGGGAAGACCCGGTCTCTACAAAAATACA 51
Db 1985 TCAAGACGAGCTGGCAACATGGCAAAACCCCGTCTCTACAAAAATACA 1935

RESULT 13
US-09-814-357-11/c
; Sequence 11, Application US/09814357
; Publication No. US20030068307A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Yu
; APPLICANT: Yu, De-Chao
; APPLICANT: Henderson, Daniel R.
; TITLE OF INVENTION: METHODS OF TREATING NEOPLASTA
; TITLE OF INVENTION: CHEM COMBINATION TARGET CELL-SPECIFIC ADENOVIRUS,
; FILE REFERENCE: 348022001600
; CURRENT APPLICATION NUMBER: US/09/814,357
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/192,015
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 12047
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human glandular kallikrein-TRE
US-09-814-357-11

Query Match      83.5%; Score 42.6; DB 9; Length 12047;
Best Local Similarity 88.2%; Pred. No. 6.5e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACCTTGGGAAGACCCGGTCTCTACAAAAATACA 51
Db 1985 TCAAGACGAGCTGGCAACATGGCAAAACCCCGTCTCTACAAAAATACA 1935

RESULT 14
US-09-392-822-5/c
; Sequence 5, Application US/09392822
; Publication No. US20010053352A1
; GENERAL INFORMATION:
; APPLICANT: Yu, De Chao
; APPLICANT: Henderson, Daniel
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; TITLE OF INVENTION: Adenovirus Vectors Containing Cell
; TITLE OF INVENTION: Status-Specific Response Elements and Methods of Use Thereof
; FILE REFERENCE: 348022001200
; CURRENT APPLICATION NUMBER: US/09/392,822
; CURRENT FILING DATE: 1999-09-09
; EARLIER APPLICATION NUMBER: 60/099,791
; EARLIER FILING DATE: 1998-09-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 12047
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-392-822-5
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Query Match      83.5%; Score 42.6; DB 10; Length 12047;
Best Local Similarity 88.2%; Pred. No. 6.5e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACCTTGGGAAGACCCGGTCTCTACAAAAATACA 51
Db 1985 TCAAGACGAGCTGGCAACATGGCAAAACCCCGTCTCTACAAAAATACA 1935
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RESULT 15
US-09-875-228-1/c
; Sequence 1, Application US/09875228
; Patent No. US20020136707A1
; GENERAL INFORMATION:
; APPLICANT: Yu, D.
; APPLICANT: Henderson, D.R.
; APPLICANT: Schuur, E.R.
; TITLE OF INVENTION: A HUMAN GLANDULAR KALLIKREIN ENHANCER, VECTORS COMPRISING THE
; FILE REFERENCE: 348022000900
; CURRENT APPLICATION NUMBER: US/09/875,228
; CURRENT FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 09/127,834
; PRIOR FILING DATE: 1998-08-03
; PRIOR APPLICATION NUMBER: 60/076,545
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: 60/054,523
; PRIOR FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 12047
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-875-228-1
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Query Match      83.5%; Score 42.6; DB 10; Length 12047;
Best Local Similarity 88.2%; Pred. No. 6.5e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACCTTGGGAAGACCCGGTCTCTACAAAAATACA 51
Db 1985 TCAAGACGAGCTGGCAACATGGCAAAACCCCGTCTCTACAAAAATACA 1935
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Search completed: June 14, 2003, 13:08:58  
Job time : 20.5372 secs